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**MASTER****Geopressured Geothermal Bibliography****Volume II ( Geopressure Thesaurus )**

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This work was sponsored in part by the Department of Energy  
 contracts DE-AS-05-76ET28466 and DE-AC08-79ET27018.

Date Published - August 1981

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## 1.0 Introduction

This thesaurus of terminology associated with the geopressured geothermal energy field has been developed as a part of the Geopressured Geothermal Information System data base. A thesaurus is a compilation of terms displaying synonymous, hierarchical, and other relationships between terms. These terms, which are called descriptors, constitute the special language of the information retrieval system -- the system vocabulary.

The function of a thesaurus is to provide a standardized vocabulary for the information storage and retrieval system to facilitate both the indexing and subject-searching processes. In indexing, a thesaurus is used to translate the natural language of the document to be indexed into the standardized system vocabulary and to place the document at the appropriate level of generality or specificity in relation to the other documents in the data base. In subject retrieval, the thesaurus is used to match the natural language used in search requests with the system vocabulary and to find the most appropriate term to represent a concept. The role of the thesaurus in an information-retrieval system is illustrated in Figure 1.

The Geopressure Thesaurus is such an information retrieval thesaurus. Its role in the Geopressured Geothermal Information System is to provide a controlled vocabulary of sufficient specificity for subject indexing and retrieval of documents in the geopressured geothermal energy field.

Several other thesauri overlap in coverage with the Geopressure Thesaurus. The thesauri most closely related to the Geopressure Thesaurus in coverage are the DOE Energy Information Data Base Subject Thesaurus (8) and the Geothermal Thesaurus being developed at the Lawrence Berkeley Laboratory (LBL) (7). The Geopressure Thesaurus differs from these thesauri in two respects: 1) specificity of the vocabulary or subject scope and 2) display format.

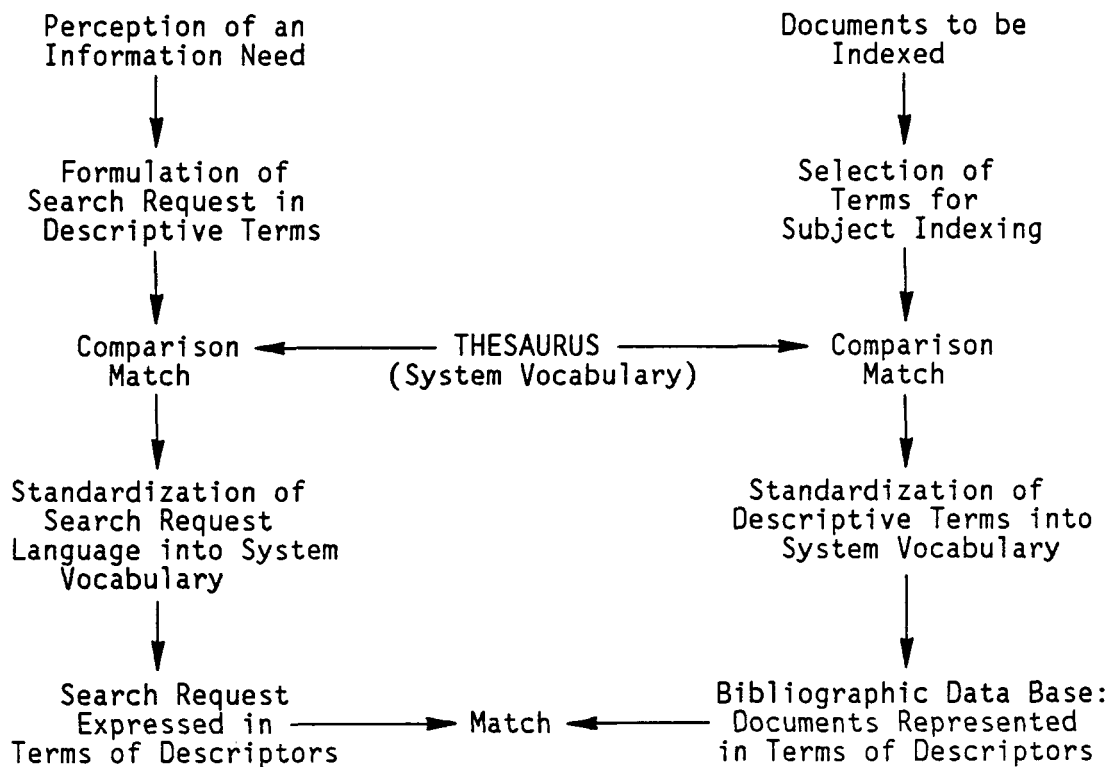


FIGURE 1 Role of a Thesaurus in an Information-Retrieval System

## 2.0 Subject Scope

The subject scope of the Geopressure Thesaurus includes such topics as:

1. Geopressure resource assessment: geographical distribution, estimated reserves.
2. Geology, hydrology, and geochemistry of geopressured systems.
3. Geopressure exploration and exploration technology: geophysical, geological, geochemical and hydrological methods of detecting and evaluating geopressured resources.
4. Geopressured reservoir engineering and drilling technology: drilling, development, and production of wells, corrosion, well tests, and measurements.
5. Economic aspects: financial incentives, cost estimates, taxation, and economic feasibility of developing geopressured resources for commercial and/or residential utilization.
6. Environmental aspects: effects of geopressure development on air, water, and land environments, subsidence, noise, land use, pollution.
7. Legal, institutional, and sociological aspects: effects of federal, state, and local laws and regulations in geopressure development, land use, societal considerations.
8. Electrical and nonelectrical utilization.
9. Other energy sources, especially methane and other fossil fuel reserves, associated with geopressured reservoirs.

DOE's Energy Information Data Base contains information on all aspects of energy sources, while the LBL Geothermal Thesaurus is limited to the geothermal energy field (6). The Geopressure Thesaurus is being developed to provide a highly specialized indexing vocabulary for geopressure information. Some topics included in the subject scope, such as economic and environmental aspects, are common to all fields, so that the vocabulary structure for environmental and economic terms is nearly identical in all three thesauri. Other topics, such as geographic distribution of abnormal formation pressure and geology of geopressured resources, require descriptors not found in either the DOE or LBL geothermal vocabulary.

## 3.0 Compatibility

The overlap in coverage between the GGIS Bibliographic Data Base and LBL's GEODOC and DOE's RECON data base increases the possibility of exchange of materials between data bases. To ensure compatibility with these data bases, vocabulary links between the thesauri have been incorporated into the Geopressure Thesaurus in the form of USE references. These references guide the user from the form of term used in other thesauri to the term expressing the same concept in the Geopressure Thesaurus.

The same style of coordinate indexing used in the LBL Geothermal Thesaurus and DOE's Subject Thesaurus has been adopted so that compatibility in hierarchical structure may also be maintained.

### 4.0 Display Format

The Geopressure Thesaurus differs from most conventional thesauri in that it will be available in an on-line display for interactive searching at a computer terminal. This capability represents a departure from the static, noninteractive searching required in the use of the typical thesaurus which is available in hard-copy only.

An on-line display has several advantages:

1. Availability of the Thesaurus  
The user doesn't need a copy of the thesaurus while searching because he always has access to the most current version of the thesaurus via his computer terminal.
2. Facility of Use  
In an on-line display the computer looks up the term for the user, thus reducing the amount of time spent by the user finding thesaurus terms and devising search strategies for computer-based retrieval.

Looking at a display for a particular descriptor, the user may decide that he wants to expand it. He can then call up the display for narrower descriptors. The process can be repeated until the proper descriptor is found.

3. Flexibility of Thesaurus Maintenance  
A thesaurus is a dynamic structure which must be continuously revised and updated based on experience in its use so as to reflect the most recent developments in the subject field. Since the input data for the Geopressure Thesaurus is stored in machine-readable form on magnetic media, updating and revision can be continuous. Additions and deletions of terms can be made within the body of the thesaurus rather than in periodic supplements.

### 5.0 Thesaurus Structure

The guidelines for "Thesaurus Structure, Construction, and Use" (2) issued by the Z39 committee of the American National Standards Institute (ANSI) have been adopted as the standards for the Geopressure Thesaurus.

#### 5.1 Cross-Reference Structure

The relationships used in the GGIS Thesaurus are the following:

**Cross-References****Symbols**

Use	USE
Broader (more general) term	BT
Narrower (more specific) term	NT
Related term	RT
See	SEE

USE references lead the thesaurus user from a term that is not an authorized term in the system to one that is authorized. They prevent information from being dispersed in the data base under different descriptors representing identical concepts. USE references often refer to a preferred synonym, for example, GEOPRESSURED REGIONS USE GEOPRESSURED ZONES. They also may refer to or from an abbreviation, for example, UNITED STATES OF AMERICA USE USA. The reciprocal of the USE reference, the USED FOR reference, which would ordinarily accompany the term to which the USE reference refers, does not appear in the displays for descriptors in the Geopressure Thesaurus.

The BROADER TERM (BT) and NARROWER TERM (NT) relationships show class membership or geographic inclusion. A BT reference leads the user to a more general term and a NT reference leads to a more specific term; for each BROADER TERM reference there is a corresponding NARROWER TERM reference, for example,

INJECTION WELLS	WELLS
BT1 WELLS	NT1 INJECTION WELLS

The number following the relationship symbol indicates the level in the heirarchy.

TEXAS	USA
BT1 USA	BT1 NORTH AMERICA
BT2 NORTH AMERICA	NT1 TEXAS
NT1 CAMERON COUNTY	
NT1 NUECES COUNTY	

The RELATED TERM reference is used as a guide from a given term to other terms that are closely related in ways other than the BT-NT relationship and that the user might want to be reminded of in his search for the most appropriate authorized descriptor. It may also serve to suggest other fruitful search strategies to the searcher.

PERMEABILITY	POROSITY
RT POROSITY	RT PERMEABILITY

SEE references are discussed in the Term Entry section.

**5.2 Term Form**

Terms chosen for inclusion in the thesaurus are regularized in form in accordance with the ANSI standards for thesauri. Terms may consist of one to several words but should represent a single concept. In general, noun forms such as single nouns, noun phrases, or gerunds are preferred to

adjectival or verb forms. For example, OFFSHORE LICENSING is used rather than LICENSE; INJECTION rather than INJECT. Noun phrases are written to exclude prepositions, for example HEAT EFFECTS rather than EFFECTS OF HEAT. The singular form is used for processes, properties, and unique things; the plural form is used for classes of things. Examples are:

1. Processes:  
Cooling  
Inspection  
Metamorphism  
Sedimentation
2. Properties:  
Density  
High Pressure  
Salinity  
Viscosity
3. Unique Things:  
Earth Planet  
Oxygen
4. Classes of Things:  
Gases  
Petroleum Deposits  
Salts

### 5.3 Term Entry

Terms consisting of two or more words are entered in their natural word order, for example, BOTTOM HOLE PRESSURE rather than PRESSURE, BOTTOM HOLE. In most thesauri the inverted forms are included as cross-references, for example, PRESSURE (BOTTOM HOLE) USE BOTTOM HOLE PRESSURE. However, inverted entries pose a problem in a thesaurus with an on-line display since the computer only searches for the form of the term entered by the user and inverted terms may be entered in several different ways. This problem is especially evident for terms like PRESSURE and TEMPERATURE which are considered too broad for indexing and searching in a thesaurus of geopressure terms yet have many narrower terms, e.g., BOTTOM HOLE PRESSURE, FLUID PRESSURE, HIGH PRESSURE, which require inverted entry cross-references. In the Geopressure Thesaurus this problem has been handled by grouping the narrower terms under the broader term with a SEE reference indicating that one or more of the narrower terms should be substituted for the broader term, for example:

PRESSURE  
SEE BOTTOM HOLE PRESSURE  
FLUID PRESSURE  
VAPOR PRESSURE

SEE references also serve another related purpose. Because the thesaurus is computer generated, each word in a compound term, such as THERMAL EFFLUENTS, is indexed, along with the compound term. To indicate that these

individual words are not legitimate descriptors, SEE references are used to direct the user to the appropriate compound term(s). For example, THERMAL EFFLUENTS appears as two separate words:

EFFLUENTS	THERMAL
SEE THERMAL EFFLUENTS	SEE GEOTHERMAL FLUIDS
SEE WASTE HEAT	SEE THERMAL EFFLUENTS

as well as in its correct phrase form:

THERMAL EFFLUENTS  
RT GEOTHERMAL FLUIDS  
RT WASTE HEAT

The SEE references will also indicate related terms listed under the correct compound term, hence the appearance of WASTE HEAT under EFFLUENTS and GEOTHERMAL FLUIDS under THERMAL. Both are related terms of THERMAL EFFLUENTS.

In the case of compound terms which are not themselves legitimate terms, both SEE and USE references are provided, for example, ACID TREATMENT:

ACID  
SEE ACIDIZATION

ACID TREATMENT  
USE ACIDIZATION

TREATMENT  
SEE ACIDIZATION

## 6.0 Method of Preparation

A combination of approaches has been used in the construction of the geopressured geothermal vocabulary. First, a small test thesaurus was prepared by converting part of the list of descriptors used by other data bases to index geopressure information into a hierarchical structure. The Lawrence Berkeley Laboratory Geothermal Thesaurus served as the prototype for the hierarchical structure. Second, in order to ensure that the vocabulary reflects current usage in the field, candidate terms were collected from titles, abstracts, and indexing of a representative sample of documents, including documents stored in GEOBIB, numerous review articles, textbooks, and glossaries. Finally, terms were extracted from other more general vocabularies such as "The LBL Geothermal Thesaurus," "DOE Energy Information Data Base Subject Thesaurus," the Engineers Joint Council "Thesaurus of Engineering Terms" (5), the "Thesaurus of Water Resource Terms" prepared by the Bureau of Reclamation of the U.S. Department of the Interior (9), the American Petroleum Institute "API Thesaurus" (3), the American Geological Institute "GeoRef Thesaurus and Guide to Indexing" (1), the Engineering Index "SHE: Subject Headings for Engineering" (4), and the "Exploration and Production Thesaurus" prepared by the University of Tulsa (10).

## 7.0 Work Plan

The flow chart in Figure 2 illustrates the general flow of work in thesaurus construction. This procedure has been followed in the construction of the Geopressure Thesaurus with the exception that a small test thesaurus was prepared using terms from a single primary source. This minithesaurus was then refined and expanded with terms derived from other sources.

As with all thesauri, there are terms which have been inadvertently omitted and terms included whose usefulness is doubtful. In order to detect omissions, ambiguities, redundancies, errors, and needed additional cross-references, three types of tests will be performed:

- Consultation with subject experts
- Interactive retrieval experiments, including analysis of user search requests
- Indexing experiments

Since a thesaurus is a dynamic structure in need of continuous revision, the list of terms will be reviewed periodically and the classificatory structure refined to ensure effective retrieval. Unused terms will be evaluated for possible elimination and new terms will be added when they are needed for indexing. A new thesaurus will be published annually to alert users to these changes.



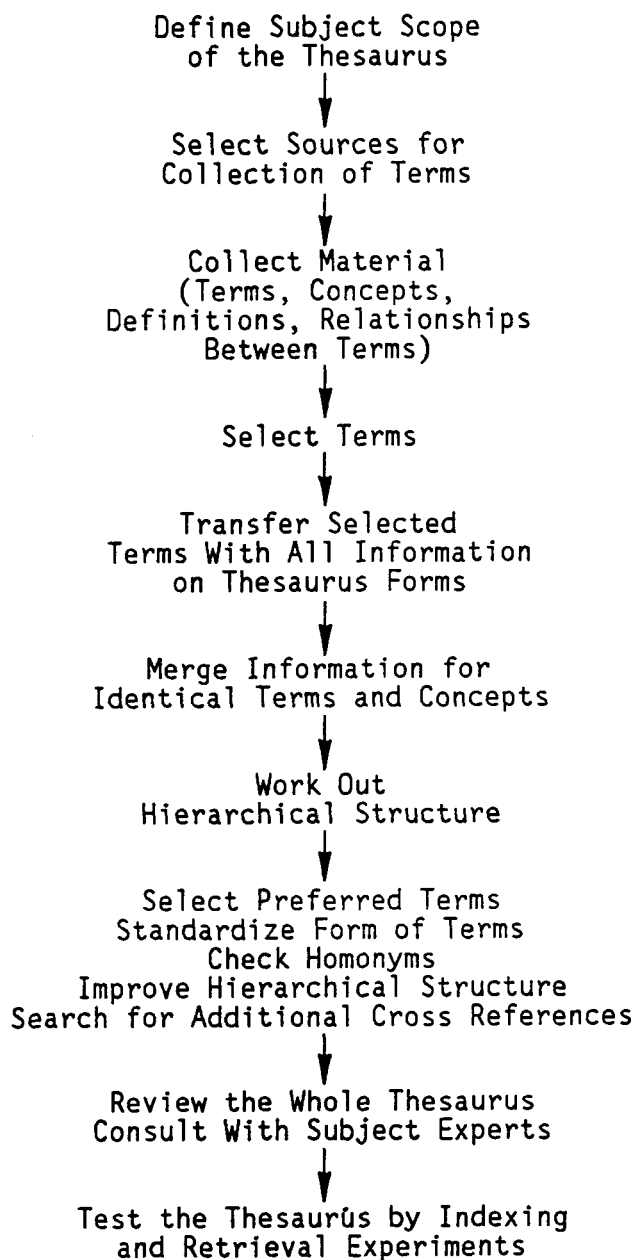


FIGURE 2 Flow of Work in Thesaurus Construction

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## 9.0 Citations

**Abandoned wells**

BT1 Wells  
 RT Natural gas wells  
 RT Oil wells  
 See Abandonment  
 See Well abandonment

**Abatement**

NT1 Air pollution abatement  
 NT1 Land pollution abatement  
 NT1 Noise pollution  
     abatement  
 NT1 Water pollution  
     abatement  
 RT Control  
 RT Environmental effects  
 Also see Air pollution  
 Also see Air pollution  
     control  
 Also see Land pollution  
 Also see Land pollution  
     control  
 Also see Noise pollution  
 Also see Noise pollution  
     control  
 Also see Pollution control  
     equipment  
 Also see Water pollution  
 Also see Water pollution  
     control

**Abnormal**

See Geopressure  
 See Subnormal formation  
     pressure

**Abnormal formation pressure**

Use Geopressure

**Abnormal pressure**

Use Geopressure  
 Use Subnormal formation  
     pressure

**Abrasion**

RT Corrosion  
 RT Erosion

**Absorption**

See Absorption spectroscopy  
 See Chemisorption

**Absorption (chemical)**

Use Chemisorption

**Absorption spectroscopy**

BT1 Measuring methods

**Abstract**

See Leading abstract

**Abstracts**

BT1 Document types  
 NT1 Leading abstract

**Abundance**

RT Availability  
 RT Chemical composition  
 RT Distribution

**Acadia**

See Acadia Parish

**Acadia Parish**

BT1 Louisiana  
 BT2 Gulf Coast

**Accidents**

NT1 Blowouts  
 RT Environment  
 RT Errors  
 RT Failures  
 RT Flammability  
 RT Hazards  
 RT Insurance  
 RT Liabilities  
 RT Safety  
 RT Site selection

**Accumulation**

RT Accumulation rate  
 RT Deposition

**Accumulation rate**

BT1 Rates  
 RT Accumulation  
 RT Deposition  
 RT Sedimentation

**Accuracy**

RT Calibration  
 RT Sensitivity

**Acid**

See Acidization

**Acid treatment**

Use Acidization

**Acidification**

Use Ph adjustment

**Acidity**

Use Ph value

**Acidization**

RT Permeability  
RT Permeability restoration  
RT Ph adjustment  
RT Scrubbing  
RT Well stimulation

**Acidizing**

See Acidization

**Acoustic**

See Acoustic monitoring  
See Sonic logging  
See Sound velocity  
See Sound waves

**Acoustic logging**

Use Sonic logging

**Acoustic monitoring**

BT1 Monitoring  
RT Sonic logging

**Acoustic velocity**

Use Sound velocity

**Acoustic waves**

Use Sound waves

**Acquisition**

See Data acquisition systems  
See Detection

**Actinides**

BT1 Metals  
BT2 Elements  
NT1 Plutonium  
NT1 Thorium  
NT1 Uranium

**Activation**

See Environmental effects  
See Fault systems  
See Faults  
See Waste disposal

**Active**

See Active faults

**Active faults**

BT1 Faults  
BT2 Geologic structures

**Activity**

See Volcanism

**Adjustment**

See Ph adjustment

**Administration**

Also see US ERDA  
Use Management

**Adsorption**

RT Chemisorption  
RT Deposition  
RT Separation processes  
RT Surface properties

**Adularia**

BT1 Feldspars  
BT2 Silicate minerals

**Aerial**

See Aerial surveys

**Aerial prospecting**

Use Aerial surveys

**Aerial surveys**

BT1 Exploration methods  
RT Remote sensing

**Africa**

BT1 Continents  
NT1 Nigeria

**Age**

See Geochronology

**Age estimation**

Use Geochronology

**Agency**

See US EPA

**Ages**

See Geologic times

**Agreements**

RT Contracts  
RT Recommendations  
RT Regulations

## Agriculture

- RT Crops
- RT Cultivation techniques
- RT Direct energy utilization
- RT Domestic animals
- RT Ecosystems
- RT Irrigation
- RT Plants
- RT Soil warming
- RT Soils

## Air

- BT1 Gases
- BT2 Fluids
- RT Air analysis
- RT Air cleaning
- RT Air conditioning
- RT Air quality
- RT Earth atmosphere
- RT Gas ejectors
- RT Troposphere
- RT Wind
- Also see Air analysis
- Also see Air analysis
- Also see Air monitoring
- Also see Air pollution
- Also see Air pollution abatement
- Also see Air pollution control
- Also see Air pollution monitors
- Also see Cooling
- Also see Cooling systems
- Also see Direct energy utilization
- Also see Gas ejectors
- Also see Gaseous wastes
- Also see Pollution control equipment
- Also see Scrubbers
- Also see Thermal insulation
- Also see Water analysis

## Air analysis

- BT1 Analysis
- BT1 Gas analysis
- BT2 Chemical analysis methods
- RT Air
- RT Air monitoring
- RT Air pollution
- RT Air pollution monitors
- RT Water analysis

## Air cleaning

- RT Air

## Air conditioning

- RT Air
- RT Cooling
- RT Cooling systems
- RT Direct energy utilization
- RT Thermal insulation

## Air ejectors

- Use Gas ejectors

## Air monitoring

- BT1 Monitoring
- RT Air analysis
- RT Air pollution
- RT Air pollution monitors
- RT Water monitoring

## Air pollution

- BT1 Pollution
- RT Air analysis
- RT Air monitoring
- RT Air pollution abatement
- RT Air pollution control
- RT Air pollution monitors
- RT Air quality
- RT Earth atmosphere
- RT Environmental effects
- RT Gaseous wastes
- RT Hydrogen sulfides
- RT Odor
- RT Scrubbers

## Air pollution abatement

- BT1 Abatement
- RT Air pollution
- RT Air pollution control
- RT Desulfurization
- RT Pollution control equipment
- RT Scrubbers

## Air pollution control

- BT1 Pollution control
- BT2 Control
- RT Air pollution
- RT Air pollution abatement
- RT Air pollution monitors

## Air pollution monitors

- RT Air analysis
- RT Air monitoring
- RT Air pollution
- RT Air pollution control

## Air quality

- RT Air
- RT Air pollution

**Alabama**

- BT1 USA
- BT2 North America
- RT Chattahoochee River
- RT Chattahoochee Formation
- RT Gulf Coast
- RT Smackover Formation
- RT Tennessee River
- RT Vicksburg Formation

**Alamos**

- See LASL

**Alaska**

- BT1 USA
- BT2 North America

**Albite**

- BT1 Plagioclases
- BT2 Feldspars

**Algorithms**

- RT Computer codes
- RT Mathematics

**Alkali**

- See Alkali metals

**Alkali metals**

- BT1 Metals
- BT2 Elements
- NT1 Cesium
- NT1 Francium
- NT1 Lithium
- NT1 Potassium
- NT1 Rubidium
- NT1 Sodium

**Alkaline**

- See Alkaline earth metals

**Alkaline earth metals**

- BT1 Metals
- BT2 Elements
- NT1 Barium
- NT1 Beryllium
- NT1 Calcium
- NT1 Magnesium
- NT1 Radium
- NT1 Strontium

**Alkalinity**

- Use Ph value

**Alkanes**

- BT1 Hydrocarbons
- BT2 Organic compounds
- NT1 Ethane
- NT1 Hexane
- NT1 Methane
- NT1 Pentane
- NT1 Propane
- NT1 2-methylpropane

**Allocations**

- RT Budgets
- RT Distribution
- RT Economic policy
- RT Energy policy
- RT Management
- RT Planning

**Alloys**

- NT1 Corrosion resistant alloys
- NT1 Steels
- Also see Corrosion
- Also see Pitting corrosion

**Alluvial**

- See Alluvial deposits
- See Alluvium

**Alluvial deposits**

- BT1 Sediment deposits
- BT2 Sediments
- RT Alluvium

**Alluvium**

- BT1 Geologic deposits
- RT Alluvial deposits
- RT Deltas
- RT Sediment deposits
- RT Sediments

**Alteration**

- See Burial
- See Hydrothermal alteration

**Altitude**

**Aluminum**

- BT1 Metals
- BT2 Elements
- Also see Aluminum inorganic compounds

**Aluminum inorganic compounds**

**Alunite**

- BT1 Sulfate minerals
- BT2 Minerals

**America**

- See Central America
- See North America
- See South America
- See USA

**Ammonia**

- BT1 Hydrogen inorganic compounds
- BT1 Nitrogen inorganic compounds
- RT Dissolved gases

**Amorphous**

- See Crystallization

**Amorphous state**

- RT Crystallization

**Amounts**

- See Trace amounts

**Amphiboles**

- BT1 Silicate minerals
- BT2 Minerals

**Amphibolite**

- BT1 Metamorphic rocks
- BT2 Rocks

**Anadarko**

- See Anadarko Basin
- See Oklahoma
- See Texas

**Anadarko Basin**

- BT1 Geologic provinces
- RT Oklahoma
- RT Texas

**Analysis**

- NT1 Air analysis
- NT1 Chemical analysis
- NT1 Data analysis
- NT1 Gas analysis
- NT1 Water analysis
- Also see Air
- Also see Air analysis
- Also see Air monitoring
- Also see Air pollution
- Also see Air pollution monitors
- Also see Chemical analysis methods
- Also see Chemical composition
- Also see Chemistry
- Also see Comparative evaluations
- Also see Cost
- Also see Data
- Also see Dissolved gases
- Also see Ecology
- Also see Economics
- Also see Environment
- Also see Failures
- Also see Fairway analysis
- Also see Gas analysis
- Also see Gas chromatography
- Also see Gases
- Also see Human populations
- Also see Mathematical methods
- Also see Measuring methods
- Also see Numerical analysis
- Also see Qualitative chemical analysis
- Also see Quantitative chemical analysis
- Also see Simulation
- Also see Sociology
- Also see Systems analysis
- Also see Trend analysis
- Also see Trend maps
- Also see Water monitoring
- Also see Water pollution

**Andesine**

- BT1 Plagioclases
- BT2 Feldspars

**Andesite**

- BT1 Extrusive rocks
- BT2 Igneous rocks

**Andesites**

- Use Andesite

**Andreas**

See San Andreas Fault

**Anhydrite**

BT1 Sulfate minerals  
BT2 Minerals  
RT Calcium sulfates  
RT Gypsum

**Animal**

See Animal shelters  
See Farm buildings

**Animal shelters**

BT1 Buildings  
RT Farm buildings

**Animals**

NT1 Aquatic organisms  
NT1 Domestic animals  
NT1 Invertebrates  
NT1 Wild animals  
RT Biology  
Also see Agriculture

**Anions**

BT1 Ions  
RT Electrolysis

**Anisotropy**

RT Distribution  
RT Isotropy

**Anorthosite**

BT1 Intrusive rocks  
BT2 Igneous rocks

**Anthropogenic**

See Anthropogenic occurrence  
See Industry  
See Natural occurrence

**Anthropogenic occurrence**

RT By-products  
RT Industry  
RT Natural occurrence

**Anticlines**

BT1 Folds  
BT2 Geologic structures  
NT1 Diapirs  
NT1 Geanticlines  
RT Anticlinoria  
RT Petroleum deposits  
RT Salt deposits

**Anticlinoria**

BT1 Fold systems  
BT2 Geologic structures  
RT Anticlines

**Antifoulants**

RT Corrosion  
RT Deposits  
RT Fouling

**Antimony**

BT1 Metals  
BT2 Elements

**Apartment**

See Apartment buildings

**Apartment buildings**

BT1 Residential buildings  
BT2 Buildings

**Aphanite**

Use Aphanitic rocks

**Aphanitic**

See Aphanitic rocks

**Aphanitic rocks**

BT1 Igneous rocks  
BT2 Rocks

**Appalachia**

BT1 USA  
BT2 North America

**Applications**

Also see Direct energy  
utilization  
Use Uses

**Aquaculture**

RT Fishes  
RT Waste heat

**Aquatic**

See Aquatic ecosystems  
See Aquatic organisms  
See Environment  
See Fishes

**Aquatic ecosystems**

BT1 Ecosystems  
RT Aquatic organisms  
RT Environment  
RT Fishes  
RT Hydrosphere  
RT Limnology



**Aquatic habitats**

Use Aquatic ecosystems

**Aquatic organisms**

BT1 Animals

BT1 Plants

BT2 Biomass

NT1 Fishes

NT1 Plankton

RT Aquatic ecosystems

**Aqueous**

See Aqueous solutions

**Aqueous solutions**

BT1 Solutions

RT Hydrolysis

RT Nonaqueous solutions

RT Ph value

**Aquicludes**

RT Aquifers

RT Saline aquifers

**Aquiculture**

Use Aquaculture

**Aquifer**

See Aquifer tests

See Aquifers

See Observation wells

**Aquifer rehabilitation**

RT Aquifers

RT Pollution

**Aquifer tests**

RT Observation wells

RT Test facilities

**Aquifers**

BT1 Subsurface reservoirs

NT1 Artesian aquifers

NT1 Saline aquifers

RT Aquicludes

RT Aquifer rehabilitation

RT Aquitards

RT Artesian basins

RT Cap rock

RT Geopressed reservoirs

RT Geothermal reservoirs

RT Ground water

RT Ground water recharge

RT Hydrogeology

RT Permeability restoration

RT Transmissivity

RT Water influx

RT Water springs

RT Water table

Also see Artesian water

Also see Brines

Also see Subsurface waters

Also see Waste disposal

**Aquitards**

RT Aquifers

**Arabian**

See Arabian sea

**Arabian Gulf**

Use Arabian Sea

**Arabian Sea**

BT1 Indian Ocean

BT2 Seas

**Arbitration**

RT Hearings

RT Lawsuits

**Arcs**

See Island arcs

**Arctic**

See Arctic regions

See Climates

**Arctic regions**

BT1 Polar regions

RT Climates

**Areal**

See Areal geology

**Areal geology**

BT1 Geology  
RT Geography

**Areas**

See Geopressured zones  
See Geothermal fields  
See KGRAs  
See Rural populations  
See Urban areas  
See Urban populations  
See Zoning

**Argillaceous rocks**

RT Clay  
RT Clay minerals  
RT Sedimentary rocks  
RT Sediments  
RT Shale  
See Argillaceous deposits  
See Argillaceous sediment

**Argon**

BT1 Rare gases  
BT2 Nonmetals

**Arizona**

BT1 USA  
BT2 North America

**Arkansas**

BT1 USA  
BT2 North America  
RT Morrow formation

**Arsenic**

BT1 Semimetals  
BT2 Elements

**Artesian**

See Artesian aquifers  
See Artesian basins  
See Artesian pressure  
See Artesian water  
See Free water  
See Ground water  
See Subsurface waters  
See Water springs

**Artesian aquifers**

BT1 Aquifers  
BT2 Subsurface reservoirs  
RT Artesian basins  
RT Artesian water  
RT Subsurface waters

**Artesian basins**

RT Aquifers  
RT Artesian aquifers  
RT Artesian wells  
RT Ground water

**Artesian pressure**

BT1 Hydropressure

**Artesian water**

BT1 Subsurface waters  
RT Artesian aquifers  
RT Artesian wells  
RT Basins  
RT Free water  
RT Ground water

**Artesian wells**

RT Artesian basins  
RT Artesian water  
RT Water springs

**Artificial**

See Artificial recharge  
See Overdraft

**Artificial recharge**

BT1 Ground water recharge  
RT Injection wells  
RT Overdraft

**Asia**

BT1 Continents  
NT1 China  
NT1 India  
NT1 Japan  
NT1 Pakistan  
NT1 Phillipines  
NT1 Turkey  
RT Urals  
RT USSR

**Aspects**

See Global aspects  
See Government policies  
See Inspection  
See Land leasing  
See Laws  
See Leasing  
See Legal aspects  
See Management  
See Mineral rights  
See Ownership  
See Patents  
See Recommendations

**Assessment**

See Feasibility studies  
See Industry  
See Resource assessment

**Assignments**

Use Allocations

**Associated**

See Dissolved gases

**Associated gases**

Use Dissolved gases

**Astatine**

BT1 Halogens  
BT2 Nonmetals

**Atlantic**

See Atlantic Ocean

**Atlantic Ocean**

BT1 Seas  
BT2 Surface waters  
NT1 Caribbean Sea  
NT1 North Sea

**Atmosphere**

See Air  
See Air pollution  
See Atmospheric  
precipitations  
See Earth atmosphere  
See Environment  
See Meteorology

**Atmosphere (Earth)**

Use Earth atmosphere

**Atmospheric**

See Air pollution  
See Atmospheric  
precipitations

**Atmospheric pollution**

Use Air pollution

**Atmospheric precipitations**

BT1 Meteorology  
NT1 Frost  
NT1 Rain  
NT1 Snow  
RT Climates  
RT Earth atmosphere  
RT Floods  
RT Hydrosphere  
RT Meteoric water  
RT Seasons  
RT Storms  
RT Surface waters  
RT Water  
RT Weather

**Atomic**

See US AEC

**Attitudes**

See Public opinion

**Austin Bayou Prospect**

BT1 Brazoria Fairway  
BT2 Frio Formation  
BT1 Brazoria County  
BT2 Texas  
BT3 USA  
NT1 Chocolate Bayou  
Geothermal Field

**Australasia**

NT1 Australia  
NT1 New Zealand  
NT1 New Guinea

**Australia**

BT1 Australasia  
BT1 Continents  
RT New Guinea

**Automatic**

See Data processing

**Automatic data processing**

Use Data processing

**Availability**

RT Abundance  
RT Economics  
RT Energy reserves  
RT Energy sources  
RT Geologic deposits  
RT Geopressure resources  
RT Geothermal resources  
RT Resource depletion

**AEC**

See US AEC

**Back**

See Back pressure

See Bottom hole pressure

**Back pressure**

RT Bottom hole pressure

RT Well testing

**Bacteria**

BT1 Microorganisms

RT Plankton

**Balance**

See Energy balance

**Balance (energy)**

Use Energy balance

**Bar**

See Elevated pressure

See High pressure

See Low pressure

See Moderate pressure

See Standard pressure

**Barite**

BT1 Sulfate minerals

BT2 Minerals

RT Barium sulfates

**Barium**

BT1 Alkaline earth metals

BT2 Metals

Also see Barium inorganic compounds

**Barium inorganic compounds**

NT1 Barium sulfates

**Barium sulfates**

BT1 Barium inorganic compounds

BT1 Sulfates

BT2 Sulfur inorganic compounds

BT2 Oxygen inorganic compounds

RT Barite

**Barrel**

See Coring equipment

**Barrier**

See Stratigraphic traps

**Barriers**

See Permeability barriers

**Basalt**

BT1 Extrusive rocks

BT2 Igneous rocks

**Baseline Ecology**

BT1 Ecology

**Basicity**

Use Ph value

**Basin**

See Anadarko basin

See Carpathian basin

See Caspian sea

See Delaware basin

See Delaware basin

See Gulf Coast

See Oklahoma

See Texas

See Uinta basin

See Utah

See USSR

**Basins**

BT1 Geologic structures

NT1 Ocean basins

NT1 Sedimentary basins

RT Artesian water

RT Water reservoirs

Also see Artesian basins

Also see Ground water

**Batholiths**

BT1 Igneous intrusions

RT Discordant intrusions

RT Stock intrusions

**Bays**

RT Seas

**Bearings**

**Bed**

See Earth crust

See Formation thickness

See Marine geology

See Sea bed

See Seas

See Sediments

**Bed thickness**

Use Formation thickness

**Benefit**

See Comparative evaluations  
 See Cost  
 See Economics

**Benioff**

See Plate tectonics  
 See Submarine trenches

**Benioff zones**

RT Plate tectonics  
 RT Submarine trenches

**Beryllium**

BT1 Alkaline earth metals  
 BT2 Metals

**Bibliographies**

BT1 Document types

**Binary**

See Binary cycle power generation  
 See Binary cycles  
 See Gas turbine power generation  
 See Geothermal energy conversion  
 See Thermodynamic cycles

**Binary cycle power generation**

BT1 Power generation  
 RT Binary cycles  
 RT Gas turbine power generation

**Binary cycles**

RT Binary cycle power generation  
 RT Thermodynamic cycles

**Binary fluid systems**

RT Gas turbine power generation  
 RT Geothermal energy conversion  
 RT Thermodynamic cycles

**Biological**

See Biological effects  
 See Biology  
 See Environmental effects

**Biological effects**

BT1 Effects  
 RT Biology  
 RT Environmental effects  
 RT Toxicity

**Biology**

NT1 Ecology  
 RT Animals  
 RT Biological effects  
 RT Biosphere  
 RT Ecosystems  
 RT Fishes  
 RT Microorganisms  
 RT Plants

**Biomass**

NT1 Plants

**Biosphere**

RT Biology  
 RT Ecosystems  
 RT Environment  
 RT Populations

**Biostratigraphy**

BT1 Stratigraphy  
 RT Foraminifera  
 RT Paleocology  
 RT Paleontology  
 RT Zonation

**Biotite**

BT1 Micas  
 BT2 Silicate minerals

**Biotope**

Use Depositional environment

**Bismuth**

BT1 Metals  
 BT2 Elements

**Bits**

See Drill bits  
 See Drill pipes  
 See Drills  
 See Well drilling

**Block**

See Eugene Island Block 18 Field

**Blocks**

Also see Fault blocks  
 Use Geologic structures

**Blowout**

See Blowout preventers  
See Blowouts  
See Natural gas wells  
See Oil wells

**Blowout preventers**

RT Blowouts  
RT Drilling equipment  
RT Natural gas wells  
RT Oil wells

**Blowouts**

BT1 Accidents  
RT Blowout preventers  
RT Kicks  
RT Oil wells  
RT Pressure release  
RT Safety  
RT Well drilling  
RT Wells

**Blue**

See Methylene blue

**Boilers**

RT Boiling  
RT Thermal power plants

**Boiling**

BT1 Phase transformations  
RT Boilers  
RT Evaporation  
RT Heat transfer  
RT Heating  
RT Steam generators  
RT Two phase flow

**Bond**

See Cement bond logging

**Bop**

Use Blowout preventers

**Borehole**

See Hole diameter

**Borehole diameter**

Use Hole diameter

**Boreholes**

RT Jets  
RT Rock drilling  
RT Subterrene penetrators  
RT Well drilling  
RT Well logging  
RT Wells

**Boring**

Use Well drilling

**Borneo**

BT1 Islands

**Boron**

BT1 Semimetals  
BT2 Elements  
Also see Boron inorganic compounds

**Boron inorganic compounds**

**Bottom**

See Bottom hole pressure  
See Bottom hole temperature  
See Downhole pumps  
See Reservoir temperature  
See Temperature logging  
See Wells

**Bottom hole pressure**

BT1 Well characteristics  
RT Back pressure  
RT Formation testing  
RT Pressure measurement  
RT Reservoir pressure  
RT Well data  
RT Wells

**Bottom hole pumps**

Use Downhole pumps

**Bottom hole temperature**

BT1 Well characteristics  
RT Formation testing  
RT Reservoir temperature  
RT Temperature logging  
RT Well testing  
RT Well data  
RT Wells

**Bound**

See Hygroscopic water

**Bound water**

Use Hygroscopic water

**Brackish**

See Brackish water  
See Brines  
See Salinity  
See Salt water  
See Subsurface waters

**Brackish water**

BT1 Water  
 RT Brines  
 RT Salinity  
 RT Salt water  
 RT Subsurface waters

**Brayton**

See Brayton cycle  
 See Gas turbine power generation  
 See Power generation

**Brayton cycle**

BT1 Thermodynamic cycles  
 RT Brayton cycle power generation  
 RT Brayton cycle power systems  
 RT Gas turbine power generation

**Brayton cycle power generation**

RT Brayton cycle

**Brayton cycle power systems**

RT Brayton cycle  
 RT Power generation

**Brazoria**

See Brazoria County

**Brazoria County**

BT1 Texas  
 BT2 Gulf Coast  
 NT1 Austin Bayou Prospect

**Brewster**

See Brewster County

**Brewster County**

BT1 Texas  
 BT2 Gulf Coast

**Brine**

See Brines  
 See Liquid wastes  
 See Ph adjustment  
 See Waste disposal

**Brine disposal**

Use Waste disposal

**Brine treatment**

RT Brines  
 RT Liquid wastes  
 RT Ph adjustment  
 RT Waste disposal

**Brines**

BT1 Solutions  
 NT1 Geothermal brines  
 RT Brackish water  
 RT Brine treatment  
 RT Corrosion  
 RT Corrosive effects  
 RT Geothermal fluids  
 RT Saline aquifers  
 RT Salinity  
 RT Salt water  
 RT Salts  
 RT Sea water  
 Also see Thermal effluents  
 Also see Thermal waters

**Brittleness**

BT1 Mechanical properties  
 RT Elasticity

**Bromides**

BT1 Halides  
 BT1 Bromine inorganic compounds

**Bromine**

BT1 Halogens  
 BT2 Nonmetals  
 Also see Bromine inorganic compounds

**Bromine inorganic compounds**

NT1 Bromides

**Brooks**

See Brooks County

**Brooks County**

BT1 Texas  
 BT2 Gulf Coast

**Budget**

See Heat budget  
 See Lakes  
 See Specific heat

**Budgets**

RT Allocations  
RT Charges  
RT Constraints  
RT Cost  
RT Economics  
RT Financing

**Buildings**

NT1 Animal shelters  
NT1 Commercial buildings  
NT1 Farm buildings  
NT1 Greenhouses  
NT1 Industrial buildings  
NT1 Mobile homes  
NT1 Public buildings  
NT1 Residential buildings  
RT Construction  
RT Retrofitting  
Also see Apartment buildings  
Also see Office buildings

**Buildup**

Also see Pressure buildup  
Use Accumulation

**Bulk**

See Density

**Bulk density**

Use Density

**Bureau**

See US Bureau of Reclamation

**Bureau of Reclamation**

Use US Bureau of Reclamation

**Burial**

RT Compaction  
RT Diagenesis  
RT Hydrothermal alteration  
RT Lithification  
RT Metamorphism  
RT Mineralization  
RT Sedimentation  
Also see Depth

**Burial depth**

Use Depth

**By-products**

RT Anthropogenic occurrence  
RT Desalination  
RT Economics  
RT Industry  
RT Recovery processes

**Cadmium**

BT1 Metals  
BT2 Elements

**Calcasieu**

See Calcasieu Parish

**Calcasieu Parish**

BT1 Louisiana  
BT2 Gulf Coast

**Calcite**

BT1 Carbonate minerals  
BT2 Minerals  
RT Calcium carbonates  
RT Limestone  
RT Marble

**Calcium**

BT1 Alkaline earth metals  
BT2 Metals  
Also see Calcite  
Also see Calcium chlorides  
Also see Calcium inorganic compounds  
Also see Calcium sulfates  
Also see Calcium carbonates  
Also see Dolomite

**Calcium carbonates**

BT1 Calcium inorganic compounds  
BT1 Carbonates  
BT2 Oxygen inorganic compounds  
RT Calcite  
RT Dolomite

**Calcium chlorides**

BT1 Calcium inorganic compounds  
BT1 Chlorides  
BT2 Chlorine inorganic compounds

**Calcium inorganic compounds**

NT1 Calcium carbonates  
NT1 Calcium chlorides  
NT1 Calcium sulfates



## Calcium sulfates

- BT1 Calcium inorganic compounds
- BT1 Sulfates
  - BT2 Oxygen inorganic compounds
  - BT2 Sulfur inorganic compounds
- RT Anhydrite
- RT Gypsum

## Calculation

- See Mathematical methods
- See Measurement
- See Measuring methods
- See Numerical solution

## Calculation methods

- RT Mathematical methods
- RT Measurement
- RT Measuring methods
- RT Numerical solution

## Calculations

- See Computer codes
- See Computers
- See Data analysis
- See Numerical analysis
- See Numerical solution

## Caldera

- See Valles Caldera Geothermal Field
- See Vapor dominated systems

## Calibration

- RT Accuracy
- RT Measuring instruments
- RT Measuring methods
- RT Sensitivity

## California

- BT1 USA
  - BT2 North America
- NT1 Coalinga
- NT1 Coso Hot Springs KGRA
- NT1 Geysers Geothermal Field
- NT1 Great Valley
- NT1 Imperial County
- NT1 Imperial Valley
- NT1 Kettleman Hills
- NT1 Lost Hills
- NT1 Mono-long Valley KGRA
- NT1 San Andreas Fault
- NT1 San Joaquin Valley
- RT Coast ranges
- RT Franciscan Formation

## Caliper

- See Caliper logging
- See Hole diameter

## Caliper logging

- BT1 Well logging
- RT Hole diameter

## Calstic

- See Facies maps

## Calstic ratio

- RT Facies maps

## Calstic ratio maps

- RT Facies maps

## Cambrian

- See Cambrian Period

## Cambrian Period

- BT1 Paleozoic Era
- BT2 Geologic times

## Cameron

- See Cameron County
- See Cameron Parish

## Cameron County

- BT1 Texas
- BT2 Gulf Coast

## Cameron Fairway

- BT1 Texas
- BT2 USA
- BT3 North America

## Cameron Parish

- BT1 Louisiana
- BT2 Gulf Coast

## Cane

- See Sugar cane

## Cap

- See Aquifers
- See Dissolved gases
- See Rocks
- See Salt domes
- See Traps

## Cap rock

- RT Aquifers
- RT Rocks
- RT Salt domes
- RT Traps

**Capacity**

See Specific heat

**Capillary**

See Capillary water  
See Free water

**Capillary pressure**

RT Capillary water  
RT Pore pressure  
RT Surface properties

**Capillary water**

BT1 Subsurface waters  
RT Free water

**Capillary Flow**

BT1 Fluid flow

**Capital**

RT Cost  
RT Economics  
RT Financing  
RT Investment

**Caps**

See Natural gas

**Carbon**

BT1 Nonmetals  
BT2 Elements  
Also see Carbon dioxide  
Also see Carbon inorganic  
compounds  
Also see Carbon steels  
Also see Dissolved Gases

**Carbon dioxide**

BT1 Carbon inorganic  
compounds  
BT1 Oxygen inorganic  
compounds  
RT Dissolved gases

**Carbon inorganic compounds**

NT1 Carbon dioxide  
NT1 Carbonates

**Carbon steels**

BT1 Steels  
BT2 Alloys

**Carbonate**

See Carbonate minerals  
See Carbonate rocks  
See Carbonates  
See Sedimentary rocks

**Carbonate minerals**

BT1 Minerals  
NT1 Calcite  
NT1 Dolomite  
NT1 Shortite  
NT1 Siderite  
RT Carbonate rocks  
RT Carbonates

**Carbonate rocks**

BT1 Reservoir rocks  
BT2 Rocks  
RT Carbonate minerals  
RT Dolomite  
RT Limestone  
RT Sedimentary rocks

**Carbonates**

BT1 Carbon inorganic  
compounds  
BT1 Oxygen inorganic  
compounds  
NT1 Calcium carbonates  
RT Carbonate minerals  
Also see Calcite  
Also see Calcium carbonates  
Also see Dolomite  
Also see Magnesium  
carbonates

**Carboniferous**

See Carboniferous Periods

**Carboniferous Periods**

BT1 Paleozoic Era  
BT2 Geologic times  
NT1 Mississippian Period  
NT1 Pennsylvanian Period

**Caribbean**

See Caribbean Sea

**Caribbean Sea**

BT1 Atlantic Ocean  
BT2 Seas  
NT1 Gulf of Mexico

**Carnot**

See Carnot cycle

**Carnot cycle**

BT1 Thermodynamic cycles

**Carpathian**

See Carpathian Basin

**Carpathian Basin**

- BT1 Hungary
- BT2 Europe

**Case**

- See Case histories
- See Field studies

**Case histories**

- BT1 Document types
- RT Field studies

**Casing programs**

- BT1 Design
- RT Well casings
- RT Well completion

**Casings**

- See Well casings
- See Well design
- See Well drilling
- See Wells

**Caspian**

- See Caspian Sea
- See USSR

**Caspian Basin**

- RT Caspian Sea
- RT USSR

**Caspian Sea**

- BT1 Lakes
- BT2 Surface waters
- RT Caspian Basin
- RT USSR

**Catagenesis**

- RT Diagenesis
- RT Sediments

**Cations**

- BT1 Ions
- RT Electrolysis

**Cavitation**

- RT Descaling
- RT Erosion
- RT Fluid flow
- RT Pitting corrosion

**Cavitation erosion**

- Use Cavitation

**Cells**

- See Convection
- See Earth mantle
- See Plate tectonics
- See Tectonics

**Cement**

- See Cement bond logging

**Cement bond logging**

- BT1 Well logging
- RT Sonic logging

**Cementing**

- See Drilling
- See Well cementing
- See Well design

**Cenozoic**

- See Cenozoic Era

**Cenozoic Era**

- BT1 Geologic times
- NT1 Quaternary Period
- NT1 Tertiary Period

**Central**

- See Central America
- See District heating
- See Space heating

**Central heating plants**

- RT District heating
- RT Space heating

**Central America**

- NT1 El Salvador

**Cerro**

- See Cerro Prieto Geothermal Field
- See Hot water systems

**Cerro Prieto**

- See Cerro Prieto Geothermal Field
- See Hot water systems

**Cerro Prieto Geothermal Field**

- BT1 Geothermal fields
- BT1 Mexico
- BT2 North America
- RT Hot water systems

**Cesium**

- BT1 Alkali metals
- BT2 Metals

**Chalcedony**

- BT1 Silica minerals
- BT2 Minerals

**Chalcopyrite**

- BT1 Sulfide minerals
- BT2 Minerals

**Characteristics**

- See Reservoir properties
- See Rock properties
- See Well characteristics

**Charges**

- RT Budgets
- RT Cost
- RT Economics
- RT Financing
- RT Income
- RT Profits

**Charging**

- RT Injection

**Charts**

- See Diagrams

**Chemical**

- See Acidization
- See Chemical analysis methods
- See Chemical analysis
- See Chemical composition
- See Chemical effluents
- See Chemical equilibrium
- See Chemical explosions
- See Chemical explosives
- See Chemical properties
- See Chemical reactions
- See Chemisorption
- See Chemistry
- See Gas analysis
- See Gas chromatography
- See Gaseous wastes
- See Liquid wastes
- See Measuring methods
- See Mineral wastes
- See Ph adjustment
- See Ph value
- See Physical properties
- See Pollution
- See Qualitative chemical analysis
- See Quantitative chemical analysis
- See Rock properties
- See Salinity
- See Solid wastes
- See Surface properties

**Chemical analysis**

- BT1 Analysis
- NT1 Qualitative chemical analysis
- NT1 Quantitative chemical analysis
- RT Chemical analysis methods
- RT Chemical composition
- RT Classification

**Chemical analysis methods**

- BT1 Measuring methods
- NT1 Air analysis
- NT1 Chromatography
- NT1 Gas chromatography
- NT1 Gas analysis
- NT1 Spectroscopy
- RT Chemical analysis
- RT Qualitative chemical analysis
- RT Quantitative chemical analysis

**Chemical composition**

- BT1 Composition
- RT Abundance
- RT Chemical analysis
- RT Concentration dependence
- RT Ph value
- RT Qualitative chemical analysis
- RT Quantitative chemical analysis
- RT Rock properties
- RT Salinity
- RT Saturation

**Chemical effluents**

- RT Gaseous wastes
- RT Liquid wastes
- RT Mineral wastes
- RT Pollution
- RT Solid wastes

**Chemical equilibrium**

- BT1 Equilibrium
- RT Chemical reactions
- RT Saturation

**Chemical explosions**

- BT1 Explosions

**Chemical explosives**

- BT1 Explosives

**Chemical properties**

- NT1 Flammability
- NT1 Ph value
- NT1 Salinity
- NT1 Solubility
- RT Chemical reactions
- RT Chemistry
- RT Physical properties
- RT Surface properties

**Chemical reactions**

- NT1 Corrosion
- NT1 Decomposition
- NT1 Polymerization
- NT1 Redox reactions
- RT Chemical equilibrium
- RT Chemical properties
- RT Chemistry
- RT Ph dependence
- RT Rock fluid interactions

**Chemical treatment**

- Use Acidization
- Use Ph adjustment

**Chemically**

- See Evaporites

**Chemically precipitated rocks**

- Use Evaporites

**Chemisorption**

- RT Adsorption
- RT Chromatography
- RT Diffusion
- RT Porosity
- RT Separation processes

**Chemistry**

- NT1 Geochemistry
- RT Chemical properties
- RT Chemical reactions
- RT Qualitative chemical analysis
- RT Quantitative chemical analysis

**Chert**

- BT1 Nonclastic rocks
- BT2 Sedimentary rocks

**China**

- BT1 Asia
- BT2 Continents
- Also see South China Sea

**Chlorides**

- BT1 Chlorine inorganic compounds
- BT1 Halides
- NT1 Calcium chlorides
- NT1 Magnesium chlorides
- NT1 Sodium chlorides
- Also see Calcium chlorides
- Also see Magnesium chlorides
- Also see Sodium chlorides

**Chlorine**

- BT1 Halogens
- BT2 Nonmetals
- Also see Chlorine inorganic compounds

**Chlorine inorganic compounds**

- NT1 Chlorides

**Chlorite**

- See Chlorite minerals

**Chlorite minerals**

- BT1 Silicate minerals
- BT2 Minerals

**Chocolate Bayou Geothermal Field**

BT1 Geothermal fields  
BT1 Texas  
BT2 USA  
BT3 North America

**Chromatography**

BT1 Separation processes  
BT1 Chemical analysis methods  
BT2 Measuring methods  
NT1 Gas chromatography  
RT Chemisorption

**Chromium**

BT1 Transition elements  
BT2 Metals

**Circulating**

See Circulating rate

**Circulating rate**

BT1 Flow rate  
BT2 Rates

**Circulation**

RT Drilling fluids  
RT Wells  
Also see Circulating rate  
Also see Lost circulation  
Also see Permeability  
Also see Porosity  
Also see Wells

**Circulation rate**

Use Circulating rate

**Cities**

Use Urban areas

**City**

See Louisiana  
See Texas

**Classification**

RT Chemical analysis

**Clastic**

See Clastic rocks

**Clastic rocks**

BT1 Sedimentary rocks  
BT2 Rocks  
NT1 Mudstone  
NT1 Sandstone  
NT1 Shale  
NT1 Siltstone  
RT Limestone

**Clay**

RT Argillaceous rocks  
RT Clay mineralogy  
RT Clay minerals  
RT Sand  
Also see Clay mineralogy  
Also see Clay minerals

**Clay mineralogy**

RT Clay  
RT Clay minerals

**Clay minerals**

BT1 Silicate minerals  
BT2 Minerals  
NT1 Illite  
NT1 Kaolin  
NT1 Montmorillonite  
RT Argillaceous rocks  
RT Clay  
RT Clay mineralogy  
RT Sand

**Cleaning**

See Air

**Climates**

RT Arctic regions  
RT Atmospheric precipitations  
RT Meteorology  
RT Polar regions  
RT Seasons  
RT Weather  
RT Wind

**Closed**

See Thermodynamic cycles

**Closed-cycle systems**

RT Thermodynamic cycles

**Co-generation**

BT1 Power generation  
RT District heating

## Coal

- BT1 Fossil fuels
- BT2 Fuels
- RT Coal deposits
- RT Coal reserves
- RT Vitrinite
- Also see Coal reserves

## Coal deposits

- RT Coal
- RT Coal reserves
- RT Well logging equipment

## Coal reserves

- BT1 Reserves
- RT Coal
- RT Coal deposits

## Coalinga

- BT1 California
- BT2 Gulf Coast

## Coast

- See California
- See Coast ranges
- See Gulf Coast
- See Oregon
- See Shores

## Coast ranges

- BT1 Mountains
- RT California
- RT Oregon

## Coastal

- See Coastal waters
- See Gulf Coast
- See Seas
- See Shores

## Coastal regions

- RT Coastal waters
- RT Shores

## Coastal waters

- BT1 Surface waters
- RT Coastal regions
- RT Continental shelf
- RT Estuaries
- RT Offshore sites
- RT Seas
- RT Shores

## Coatings

- RT Corrosion inhibitors
- RT Corrosion protection

## Codes

- See Computer codes
- See G codes

## Coefficient

- See Diffusivity
- See Thermal expansivity

## Coefficient of thermal expansion

- Use Thermal expansivity

## Collars

- See Drill collars
- See Well drilling

## Collecting

- See Collecting tanks

## Collecting tanks

- BT1 Surface equipment
- BT2 Equipment

## Colorado

- BT1 USA
- BT2 North America
- RT Rio Grande Rift

## Colorado County

- BT1 Texas
- BT2 USA
- BT3 North America

## Colorado Fairway

- BT1 Texas
- BT2 USA
- BT3 North America

## Colorimetry

- Use Absorption spectroscopy

## Combined

- See Combined cycle power plants
- See Combined cycle power generation
- See Thermodynamic cycles

## Combined cycle power generation

- BT1 Power generation

## Combined cycle power plants

- BT1 Thermal power plants
- BT2 Power plants

**Combined cycles**

RT Thermodynamic cycles

**Commercial**

See Commercial buildings

**Commercial buildings**

BT1 Buildings

NT1 Office buildings

**Commercialization**

RT Demonstration programs

RT Market

RT Technology utilization

**Commission**

See US AEC

**Communities**

RT Demography

RT Ecosystems

RT Populations

RT Public health

RT Socio-economic factors

**Compaction**

RT Burial

RT Compression

RT Consolidation

RT Diagenesis

RT Ground subsidence

RT Porosity

RT Reservoir engineering

RT Sandstone

**Comparative**

See Comparative evaluations

**Comparative evaluations**

RT Correlation

RT Cost benefit analysis

RT Efficiency

RT Evaluation

RT Feasibility studies

RT Functional models

RT Mathematical models

RT Performance

RT Test facilities

**Completion**

See Well completion

See Well design

See Well drilling

**Completion (wells)**

Use Well completion

**Compliance**

RT Laws

RT Legal aspects

RT Recommendations

RT Regulations

RT Standards

**Composition**

NT1 Chemical composition

NT1 Mineral composition

Also see Ph value

Also see Rock properties

Also see Salinity

Also see Scale monitoring

Also see Scaling

Also see Scaling control

**Compounds**

See Aluminum inorganic compounds

See Barium inorganic compounds

See Boron inorganic compounds

See Bromine inorganic compounds

See Calcium inorganic compounds

See Carbon inorganic compounds

See Chlorine inorganic compounds

See Fluorine inorganic compounds

See Hydrogen inorganic compounds

See Inorganic compounds

See Iodine inorganic compounds

See Iron inorganic compounds

See Magnesium inorganic compounds

See Nitrogen inorganic compounds

See Organic compounds

See Oxygen inorganic compounds

See Silver inorganic compounds

See Sodium inorganic compounds

See Strontium inorganic compounds

See Sulfur inorganic compounds

See Uranium inorganic compounds



**Compressibility**

- BT1 Mechanical properties
- RT Fluid properties
- RT Piezometers

**Compression**

- RT Compaction
- RT Consolidation
- RT Rock deformation

**Compressors**

- RT Pumps

**Computer**

- See Computer codes
- See Computers
- See Data analysis
- See Numerical analysis
- See Numerical solution
- See Programming

**Computer calculations**

- RT Computerized simulation
- RT Computer codes
- RT Computers
- RT Data analysis
- RT Numerical analysis
- RT Numerical solution

**Computer codes**

- NT1 G codes
- RT Algorithms
- RT Computer calculations
- RT Computers
- RT Mathematical models
- RT Programming
- RT Simulation

**Computer programming**

- Use Programming

**Computer programs**

- Use Computer codes

**Computerized simulation**

- BT1 Simulation
- RT Computer calculations

**Computers**

- RT Computer calculations
- RT Computer codes
- RT Data processing
- RT Programming

**Concentration**

- See Chemical composition
- See Elevated concentration
- See High concentration
- See Infinite dilution
- See Low concentration
- See Moderate concentration
- See Ph value
- See Solutions
- See Trace amounts

**Concentration (<0.01 molal)**

- Use Low concentration

**Concentration (>1.0 molal)**

- Use High concentration

**Concentration (infinite dilution)**

- Use Infinite dilution

**Concentration (0.01-0.10 molal)**

- Use Moderate concentration

**Concentration (0.10-1.0 molal)**

- Use Elevated concentration

**Concentration dependence**

- RT Chemical composition
- RT Elevated concentration
- RT High concentration
- RT Low concentration
- RT Moderate concentration
- RT Solutions

**Concordant**

- See Concordant intrusions

**Concordant intrusions**

- BT1 Igneous intrusions
- NT1 Sill intrusions

**Condensates**

- See Gases

**Condensates**

- RT Condensation
- RT Gas condensation
- RT Natural gas
- RT Petroleum
- RT Steam

**Condensers**

- NT1 Vapor condensers
- Also see Steam condensers

**Conditioning**

See Air  
See Cooling  
See Cooling systems  
See Direct energy utilization  
See Thermal insulation  
See Water treatment

**Conditions**

See Personnel  
See Safety

**Conduction**

See Thermal conduction

**Conductivity**

Also see Heat flow  
Also see Thermal conduction  
Also see Thermal conductivity  
Also see Thermal insulation  
Use Electric conductivity

**Conferences**

Use Meetings

**Confined**

See Artesian aquifers  
See Artesian water

**Confined aquifers**

Use Artesian aquifers

**Confined ground water**

Use Artesian water

**Congressional**

See Hearings

**Congressional hearings**

Use Hearings

**Connate**

See Connate water

**Connate water**

BT1 Interstitial water  
BT2 Ground water

**Conservation**

See Energy conservation  
See Energy consumption  
See Resource conservation  
See Resources

**Conservation (energy)**

Use Energy conservation

**Conservation (resource)**

Use Resource conservation

**Consolidation**

RT Compaction  
RT Compression  
RT Deformation  
RT Density  
RT Ground subsidence  
RT Soil mechanics  
RT Strains

**Constant**

See Dielectric constant

**Constraints**

RT Budgets

**Construction**

NT1 Retrofitting  
RT Buildings  
RT Installation  
RT Planning

**Consumption**

See Energy consumption  
See Exploitation

**Consumption rates**

RT Energy consumption

**Contained**

See Contained explosions  
See Underground explosions

**Contained explosions**

BT1 Explosions  
RT Underground explosions

**Contamination**

RT Environmental effects  
RT Radioactive wastes  
RT Radioactivity

**Contemporaneous**

See Growth faults

**Contemporaneous faults**

Use Growth faults

**Content**

See Chemical analysis  
See Enthalpy  
See Salinity

**Content analysis**

Use Chemical analysis

**Continental**

See Coastal waters  
 See Continental crust  
 See Continents  
 See Marine geology  
 See Oceanic crust  
 See Plate tectonics  
 See Rift valleys  
 See Seas

**Continental crust**

BT1 Earth crust  
 BT2 Earth planetary structure  
 RT Earth planet  
 RT Oceanic crust

**Continental drift**

RT Continents  
 RT Plate tectonics  
 RT Rift valleys

**Continental shelf**

RT Coastal waters  
 RT Continents  
 RT Marine geology

**Continental slopes**

RT Continents  
 RT Marine geology  
 RT Oceanic crust  
 RT Seas

**Continents**

NT1 Africa  
 NT1 Asia  
 NT1 Australia  
 NT1 Europe  
 NT1 North America  
 NT1 South America  
 RT Continental drift  
 RT Continental shelf  
 RT Continental slopes

**Contour**

See Contour maps

**Contour maps**

BT1 Maps  
 BT2 Document types

**Contracts**

RT Agreements  
 RT Fabrication

**Control**

NT1 Geologic control  
 NT1 Pollution control  
 NT1 Pressure control  
 NT1 Remote control  
 NT1 Scaling control  
 NT1 Shale control  
 NT1 Temperature control  
 RT Abatement  
 RT Monitoring  
 RT Optimization  
 Also see Air pollution  
 Also see Air pollution control  
 Also see Corrosion protection  
 Also see Gravel packing  
 Also see Isopiestic measurement  
 Also see Land pollution  
 Also see Land pollution control  
 Also see Noise pollution  
 Also see Noise pollution control  
 Also see Pollution control equipment  
 Also see Sand production  
 Also see Scale monitoring  
 Also see Scaling  
 Also see Temperature monitoring  
 Also see Thermal insulation  
 Also see Water pollution  
 Also see Water pollution control

**Convection**

BT1 Heat transfer  
 BT2 Energy transfer  
 RT Convection cells  
 RT Mass transfer  
 Also see Earth mantle  
 Also see Plate tectonics  
 Also see Tectonics

**Convection cells**

RT Convection  
 RT Earth mantle  
 RT Plate tectonics  
 RT Tectonics

**Convective**

See Hydrothermal systems

**Conventions**

Use Agreements

**Conversion**

NT1 Energy conversion  
Also see Energy transfer  
Also see Geothermal energy conversion  
Also see Ocean thermal power plants  
Also see Ocean thermal energy conversion  
Also see Solar energy  
Also see Solar energy conversion  
Also see Working fluids

**Cooling**

NT1 District cooling  
RT Air conditioning  
RT Cooling ponds  
RT Cooling systems  
RT Cooling towers  
RT Heat transfer  
Also see Cooling ponds  
Also see Cooling systems  
Also see Heat exchangers  
Also see Lakes  
Also see Power plants  
Also see Vapor condensers

**Cooling ponds**

BT1 Water reservoirs  
BT2 Surface waters  
RT Cooling  
RT Cooling systems  
RT Lakes

**Cooling systems**

RT Air conditioning  
RT Cooling  
RT Cooling ponds  
RT Cooling towers

**Cooling towers**

RT Cooling  
RT Cooling systems  
RT Heat exchangers  
RT Power plants  
RT Vapor condensers

**Copper**

See Chalcopyrite

**Copper**

BT1 Transition elements  
BT2 Metals

**Copper pyrites**

Use Chalcopyrite

**Core**

See Coring equipment  
See Earth core

**Core (earth)**

Use Earth core

**Core barrel**

Use Coring equipment

**Cores**

Also see Drills  
Also see Well drilling  
Also see Well logging  
Use Drill cores

**Coring**

See Coring equipment

**Coring equipment**

BT1 Drilling equipment  
BT2 Equipment

**Corpus Christi Fairway**

BT1 Texas  
BT2 USA  
BT3 North America

**Correlation**

RT Comparative evaluations  
RT Evaluation  
RT Forecasting  
RT Mathematical models

## Corrosion

- BT1 Chemical reactions
- NT1 Crevice corrosion
- NT1 Pitting corrosion
- NT1 Scaling
- NT1 Stress corrosion
- RT Abrasion
- RT Antifoulants
- RT Brines
- RT Corrosion inhibitors
- RT Corrosion monitoring
- RT Corrosion products
- RT Corrosion protection
- RT Corrosion resistant alloys
- RT Corrosion resistance
- RT Dissolved gases
- RT Erosion
- RT Failures
- RT Fouling
- RT Materials testing
- RT Salinity
- RT Solutions
- RT Surface properties
- Also see Corrosion monitoring
- Also see Corrosion protection
- Also see Corrosion resistant alloys
- Also see Corrosive effects
- Also see Stainless steels

## Corrosion control

- Use Corrosion protection

## Corrosion inhibitors

- RT Corrosion
- RT Corrosion monitoring
- RT Corrosion protection

## Corrosion monitoring

- BT1 Monitoring
- RT Corrosion
- RT Corrosion inhibitors
- RT Corrosion products
- RT Corrosion protection
- RT Corrosive effects
- RT Crevice corrosion

## Corrosion products

- RT Corrosion
- RT Corrosion monitoring

## Corrosion protection

- RT Coatings
- RT Corrosion
- RT Corrosion inhibitors
- RT Corrosion monitoring
- RT Crevice corrosion
- RT Stainless steels

## Corrosion resistance

- RT Corrosion
- RT Crevice corrosion
- RT Stainless steels

## Corrosive

- See Corrosive effects

## Corrosive effects

- BT1 Effects
- RT Brines
- RT Corrosion monitoring

## Coso

- See Coso Hot Springs KGRA

## Coso Hot Springs KGRA

- BT1 KGRAs
- BT1 California
- BT2 USA
- RT Geothermal fields

## Cost

- NT1 Life-cycle cost
- RT Budgets
- RT Capital
- RT Charges
- RT Cost benefit analysis
- RT Financing
- RT Inflation
- RT Investment
- RT Royalties
- Also see Comparative evaluations
- Also see Economics

## Cost benefit analysis

- RT Comparative evaluations
- RT Cost
- RT Economics
- RT Life-cycle cost

## Costs

- Use Cost

**County**

- See Brazoria County
- See Brewster County
- See Brooks County
- See Cameron County
- See Culberson County
- See El Paso County
- See Galveston County
- See Greene County
- See Harris County
- See Hidalgo County
- See Hudspeth County
- See Jeff Davis County
- See Kenedy County
- See Kleberg County
- See Matagorda County
- See Nueces County
- See Parish
- See Presidio County
- See Rankin County
- See Starr County
- See Willacy County

**Courts**

- RT Hearings
- RT Lawsuits

**Cracks**

- RT Fissures
- RT Fracture properties
- RT Fractures

**Creep**

- BT1 Mechanical properties
- RT Earth movements
- RT Rheology
- RT Salt tectonics

**Cretaceous**

- See Cretaceous Period

**Cretaceous Period**

- BT1 Mesozoic Era
- BT2 Geologic times
- RT Franciscan Formation

**Crevice**

- See Crevice corrosion

**Crevice corrosion**

- BT1 Corrosion
- BT2 Chemical reactions
- RT Corrosion monitoring
- RT Corrosion protection
- RT Corrosion resistance
- RT Geothermal fluids
- RT Heat exchangers
- RT Stainless steels

**Cristobalite**

- BT1 Silica minerals
- BT2 Minerals

**Crops**

- RT Agriculture
- RT Cultivation
- RT Cultivation techniques
- RT Plants

**Cross**

- See Geologic cross sections
- See Geologic structures

**Cross sections**

- Use Geologic cross sections

**Crude**

- See Petroleum

**Crude oil**

- Use Petroleum

**Crust**

- See Continental crust
- See Earth crust
- See Oceanic crust

**Crust (earth)**

- Use Earth crust

**Crystal**

- See Crystallography

**Crystal structures**

- Use Crystallography

**Crystallization**

- RT Amorphous state
- RT Crystals
- RT Mineralization
- RT Precipitation
- RT Solidification

**Crystallography**

- BT1 Nuclear magnetic resonance
- BT2 Measuring methods
- RT Crystals
- RT Minerals

**Crystals**

- RT Crystallization
- RT Crystallography
- RT Solids

**Culberson**

- See Culberson County

**Culberson County**

- BT1 Texas
- BT2 Gulf Coast

**Cultivation**

- NT1 Cultivation techniques
- RT Crops
- Also see Agriculture

**Cultivation techniques**

- BT1 Cultivation
- RT Agriculture
- RT Crops
- RT Irrigation

**Cultural resources**

**Culture**

- See Aquaculture

**Current**

- See Telluric surveys

**Curves**

- Use Diagrams

**Cuttings**

- RT Boreholes
- RT Drilling fluids
- RT Drill cores
- RT Well logging
- RT Wells
- See Cuttings (rock)
- See Drill cuttings
- See Rock cuttings

**Cuttings analysis**

- RT Cuttings

**Cycle**

- See Binary cycle power generation
- See Brayton cycle
- See Carnot cycle
- See Combined cycle power plants
- See Combined cycle power generation
- See Power generation
- See Rankine cycle
- See Steam turbine power generation
- See Thermodynamic cycles

**Cycles**

- Also see Binary cycle power systems
- Also see Gas turbine power generation
- Also see Thermodynamic cycles
- Use Binary cycles

**Czechoslovakia**

- BT1 Europe
- BT2 Continents

**Damage**

- See Disposal formations
- See Permeability
- See Plugging
- See Well completion

**Data**

BT1 Information  
RT Data compilation  
RT Data analysis  
RT Data processing  
RT Experimental results  
RT Graphs  
RT Information needs  
RT Tables  
Also see Bottom hole pressure  
Also see Bottom hole temperature  
Also see Computers  
Also see Data acquisition systems  
Also see Data analysis  
Also see Data processing  
Also see Detection  
Also see Downhole sampling  
Also see Reservoir properties  
Also see Well characteristics  
Also see Well completion  
Also see Well data  
Also see Well head pressure  
Also see Well head temperature  
Also see Wells

**Data acquisition**

RT Detection

**Data acquisition systems**

RT Recording systems

**Data analysis**

BT1 Analysis  
RT Computer calculations  
RT Data  
RT Data processing

**Data compilation**

RT Data

**Data processing**

BT1 Processing  
RT Computers  
RT Data  
RT Data analysis

**Datum**

See Reservoir pressure

**Datum pressure**

Use Reservoir pressure

**Davis**

See Jeff Davis County  
See Jefferson Davis Parish

**Decline**

See Pressure decline

**Decomposition**

BT1 Chemical reactions  
NT1 Hydrolysis

**Deep**

See Deep drilling  
See Deep wells  
See Dewatering

**Deep drilling**

BT1 Well drilling  
BT2 Drilling

**Deep wells**

BT1 Wells  
RT Dewatering

**Deformation**

BT1 Thermoelasticity  
NT1 Rock deformation  
RT Consolidation  
RT Elongation  
RT Fractures  
RT Mechanical properties  
RT Plasticity  
RT Rheology  
RT Strains

**Deg**

See Elevated temperature  
See High temperature  
See Low temperature  
See Moderate temperature  
See Standard temperature

**Dehydration**

RT Dewatering  
RT Evaporation

**Delaware**

See Delaware basin  
See Delaware basin  
See Texas

**Delaware Basin**

BT1 Geologic provinces  
BT1 USA  
RT Texas



## **Deltas**

RT Alluvium  
RT Rivers  
RT Sediment deposits  
RT Sedimentation  
RT Sediments

## **Demand**

See Energy balance  
See Energy consumption  
See Energy demand  
See Energy sources  
See Energy storage

## **Demineralization**

BT1 Separation processes  
NT1 Desalination  
RT Direct energy utilization  
RT Electrodialysis  
RT Fouling

## **Democratic**

See German Democratic Republic

## **Demography**

BT1 Sociology  
RT Communities  
RT Human populations

## **Demonstration**

See Commercialization  
See Industrial plants  
See Pilot plants  
See Planning  
See Research programs

## **Demonstration plants**

RT Industrial plants  
RT Pilot plants

## **Demonstration programs**

RT Commercialization  
RT Planning  
RT Research programs

## **Density**

BT1 Physical properties  
RT Consolidation  
RT Density gradients  
RT Fluid properties  
RT Mud weight  
RT Volume

## **Density gradients**

RT Density

## **Department**

See US DOE

## **Department of energy**

Use US DOE

## **Dependence**

See Chemical composition  
See Chemical reactions  
See Elevated concentration  
See Elevated pressure  
See Elevated temperature  
See High concentration  
See High pressure  
See High temperature  
See Isopiestic measurement  
See Low concentration  
See Low pressure  
See Low temperature  
See Moderate concentration  
See Moderate pressure  
See Moderate temperature  
See Ph adjustment  
See Ph value  
See Pressure decline  
See Solutions  
See Standard pressure  
See Standard temperature  
See Temperature distribution  
See Temperature effects

## **Depletion**

See Availability  
See Energy consumption  
See Geothermal resources  
See Overdraft  
See Resource depletion

## **Depletion (ground water)**

Use Overdraft

## **Depletion (resource)**

Use Resource depletion

## **Deposition**

RT Accumulation  
RT Accumulation rate  
RT Adsorption  
RT Depositional environment  
RT Fouling  
RT Geologic deposits  
RT Growth faults  
RT Precipitation  
RT Sedimentary petrology  
RT Sedimentation

**Deposition rate**

Use Accumulation rate

**Depositional**

See Burial

See Depositional environment

See Growth faults

**Depositional environment**

BT1 Environment

RT Deposition

RT Paleoecology

RT Sedimentation

RT Sediments

**Depositional faults**

Use Growth faults

**Deposits**

See Alluvial deposits

See Alluvium

See Anticlines

See Coal

See Coal reserves

See Geologic deposits

See Geophysical surveys

See Natural gas

See Natural gas deposits

See Natural gas industry

See Petroleum

See Petroleum deposits

See Petroleum industry

See Radioactive wastes

See Resources

See Salt deposits

See Salt domes

See Sediment deposits

See Stratigraphic traps

See Structural traps

See Traps

**Deposits (geological)**

Use Geologic deposits

**Depth**

BT1 Dimensions

RT Distance

**Deregulation**

RT Economics

RT Natural gas

RT Petroleum

RT Regulations

**Desalination**

BT1 Demineralization

BT2 Separation processes

RT By-products

RT Direct energy utilization

RT Electrodialysis

RT Evaporators

RT Salinity

RT Salts

RT Sea water

RT Water treatment

**Descaling**

RT Cavitation

RT Scale monitoring

**Description**

See Well information systems

See Well logging

**Design**

NT1 Casing programs

NT1 Well design

RT Feasibility studies

RT Planning

RT Specifications

**Desulfurization**

RT Air pollution abatement

RT Recovery processes

**Detection**

RT Data acquisition

RT Exploration

RT Monitoring

Also see Seismic detection

Also see Seismic s waves

**Determination**

See Geochronology

**Development**

RT Exploitation

RT Leasing

Also see US ERDA

**Devonian**

See Devonian Period

**Devonian Period**

BT1 Paleozoic Era

BT2 Geologic times

**Dewatering**

- RT Deep wells
- RT Dehydration
- RT Drawdown
- RT Evaporation
- RT Ground water
- RT Pumping
- RT Wells

**DeWitt County**

- BT1 Texas
- BT2 USA
- BT3 North America

**DeWitt Fairway**

- BT1 Texas
- BT2 USA
- BT3 North America

**Diabase**

- BT1 Intrusive rocks
- BT2 Igneous rocks

**Diagenesis**

- RT Burial
- RT Catagenesis
- RT Compaction
- RT Lithification

**Diagrams**

- BT1 Document types
- RT Maps
- RT Photographs

**Diameter**

- NT1 Hole diameter

**Diapirism**

- RT Salt domes

**Diapirs**

- BT1 Anticlines
- BT2 Folds
- NT1 Shale diapirs
- RT Salt domes

**Diastrophism**

- BT1 Geologic processes
- RT Faults
- RT Tectonics

**Dickite**

- BT1 Kaolin
- BT2 Clay minerals

**Dielectric**

- See Dielectric constant

**Dielectric constant**

- BT1 Electrical properties
- BT2 Physical properties

**Differential**

- See Differential equations
- See Differential pressure
- See Mathematics

**Differential equations**

- BT1 Equations
- NT1 Lagrange equations
- RT Mathematics

**Differential pressure**

- RT Pressure gradients

**Diffusion**

- RT Chemisorption
- RT Diffusivity
- RT Electrodialysis
- RT Mass transfer
- RT Osmosis
- Also see Heat transfer
- Also see Thermal diffusivity

**Diffusion coefficient**

- Use Diffusivity

**Diffusivity**

- BT1 Hydrologic properties
- RT Diffusion
- Also see Thermal diffusivity
- Also see Thermal insulation

**Dike**

- See Dike intrusions

**Dike intrusions**

- BT1 Discordant intrusions
- BT2 Igneous intrusions

**Dikes**

- Use Dike intrusions

**Dilute**

- See Low concentration

**Dilute solutions**

- Use Low concentration

**Dilution**

- RT Infinite dilution
- Also see Low concentration
- Also see Solutions
- Also see Trace amounts

**Dimensions**

NT1 Depth  
NT1 Thickness  
RT Distance

**Dioxide**

See Carbon dioxide  
See Dissolved gases

**Dip**

See Dipmeter logging

**Dip logging**

Use Dipmeter logging

**Dipmeter**

See Dipmeter logging

**Dipmeter logging**

BT1 Well logging

**Direct**

See Direct energy  
utilization

**Direct energy utilization**

RT Agriculture  
RT Air conditioning  
RT Demineralization  
RT Desalination  
RT District heating  
RT Energy storage  
RT Geothermal refrigeration  
RT Geothermal space heating  
RT Greenhouses  
RT Industrial heating  
RT Process heat  
RT Space heating  
RT Uses

**Directional**

See Directional drilling

**Directional drilling**

BT1 Drilling  
RT Enhanced recovery  
RT Geothermal wells  
RT Well drilling

**Directory**

BT1 Document types

**Discharge**

See Flow rate  
See Heat flow  
See Waste heat

**Discharge rate**

Use Flow rate

**Discordant**

See Batholiths  
See Discordant intrusions

**Discordant intrusions**

BT1 Igneous intrusions  
NT1 Dike intrusions  
RT Batholiths  
RT Stock intrusions

**Dispersions**

RT Solids

**Displacements**

RT Faults  
RT Strains

**Disposal**

See Disposal formations  
See Disposal wells  
See Gaseous wastes  
See Gravel packing  
See Injection wells  
See Liquid wastes  
See Radioactive wastes  
See Salt deposits  
See Solid wastes  
See Stack disposal  
See Surface disposal  
See Surface equipment  
See Underground disposal  
See Waste disposal  
See Waste water  
See Wastes  
See Water pollution  
See Well design

**Disposal formations**

RT Disposal wells  
RT Formation damage  
RT Waste disposal  
RT Well design

**Disposal wells**

BT1 Injection wells  
BT2 Wells  
RT Disposal formations  
RT Waste disposal  
RT Well design

## **Dissolved**

See Dissolved gases  
See Dissolved salts  
See Dissolved solids  
See Water analysis

## **Dissolved gases**

BT1 Gases  
BT2 Fluids  
RT Ammonia  
RT Carbon dioxide  
RT Corrosion  
RT Dissolved solids  
RT Hydrogen sulfides  
RT Methane  
RT Oxygen  
RT Solubility  
RT Solutions  
RT Water analysis

## **Dissolved salts**

BT1 Salts

## **Dissolved solids**

BT1 Solids  
RT Dissolved gases  
RT Salinity  
RT Salts  
RT Solid wastes  
RT Solubility  
RT Solutions  
RT Suspended solids  
RT Water analysis

## **Distance**

RT Depth  
RT Dimensions  
RT Thickness

## **Distribution**

NT1 Geographical  
distribution  
NT1 Temperature distribution  
RT Abundance  
RT Allocations  
RT Anisotropy  
RT Isotropy  
Also see Geography  
Also see Temperature surveys

## **District**

See Direct energy  
utilization  
See District cooling  
See District heating  
See Hot water heating

## **District cooling**

BT1 Cooling

## **District heating**

BT1 Heating  
RT Central heating plants  
RT Co-generation  
RT Direct energy utilization  
RT Hot water heating  
RT Space heating

## **Document**

See Document types

## **Document types**

NT1 Abstracts  
NT1 Bibliographies  
NT1 Case histories  
NT1 Diagrams  
NT1 Directory  
NT1 Environmental impact  
statements  
NT1 Field studies  
NT1 Indexes  
NT1 Lectures  
NT1 Manuals  
NT1 Maps  
NT1 Patents  
NT1 Proceedings  
NT1 Reviews  
NT1 Textbooks  
NT1 Theoretical treatments  
RT Experimental results  
RT Information  
RT Meetings  
RT Tables

## **Documentation**

RT Information systems

## **Dolomite**

BT1 Carbonate minerals  
BT2 Minerals  
RT Calcium carbonates  
RT Carbonate rocks  
RT Dolomite rocks  
RT Magnesium carbonates  
RT Marble  
Also see Dolomite rocks

## **Dolomite mineral**

Use Dolomite

## **Dolomite rocks**

BT1 Nonclastic rocks  
BT2 Sedimentary rocks  
RT Dolomite

**Domes**

See Salt domes  
See Salt tectonics

**Domestic**

See Agriculture  
See Domestic animals

**Domestic animals**

BT1 Animals  
RT Agriculture

**Dominated**

See Hot water systems  
See Vapor dominated systems

**Downhole**

See Bottom hole pressure  
See Bottom hole temperature  
See Downhole pumps  
See Downhole sampling  
See Well design

**Downhole pressure**

Use Bottom hole pressure

**Downhole pumps**

BT1 Pumps  
RT Well design

**Downhole sampling**

BT1 Sampling  
RT Well data

**Downhole temperature**

Use Bottom hole temperature

**Drainage**

See Hydrology  
See Rivers

**Drainage systems**

RT Hydrology  
RT Rivers

**Drawdown**

RT Dewatering  
RT Ground water  
RT Ground water recharge  
RT Pressure decline  
RT Water table  
RT Well spacing

**Drawings**

Use Diagrams

**Drift**

See Continents  
See Plate tectonics  
See Rift valleys

**Drill**

See Boreholes  
See Drill bits  
See Drill collars  
See Drill cores  
See Drill pipes  
See Drill stem testing  
See Drills  
See Well drilling  
See Well logging

**Drill bits**

BT1 Drilling equipment  
BT2 Equipment  
RT Drill pipes  
RT Drills  
RT Well drilling

**Drill collars**

BT1 Drilling equipment  
BT2 Equipment  
RT Well drilling

**Drill cores**

RT Drills  
RT Well drilling  
RT Well logging

**Drill holes**

Use Boreholes

**Drill pipes**

BT1 Pipes  
BT1 Drilling equipment  
BT2 Equipment  
RT Drill bits  
RT Drilling rigs  
RT Drills

**Drill stem testing**

BT1 Testing  
BT1 Well testing  
RT Formation testing

**Drillability**

See Rock failures

## Drilling

- NT1 Directional drilling
- NT1 Rock drilling
- NT1 Well drilling
- RT Drilling fluids
- RT Drilling rigs
- RT Formation testing
- RT MWD systems
- RT Well cementing
- RT Wells
- Also see Blowout preventers
- Also see Circulating rate
- Also see Circulation
- Also see Deep drilling
- Also see Drill pipes
- Also see Drilling equipment
- Also see Drilling fluids
- Also see Drilling rate
- Also see Drills
- Also see Geothermal drilling
- Also see Natural gas
- Also see Oil drilling
- Also see Petroleum
- Also see Rotary drilling
- Also see Salt water
- Also see Well design

## Drilling equipment

- BT1 Equipment
- NT1 Coring equipment
- NT1 Drill bits
- NT1 Drill collars
- NT1 Drill pipes
- NT1 Drills
- RT Blowout preventers
- RT Drilling rigs
- RT Well design

## Drilling fluid flow rate

- Use Circulating rate

## Drilling fluids

- RT Circulation
- RT Drilling
- RT Drills
- RT Lubricants
- RT Mud logging
- RT Mud weight
- RT Salt water
- RT Well drilling

## Drilling muds

- Use Drilling fluids

## Drilling rate

- BT1 Rates

## Drilling rigs

- RT Drill pipes
- RT Drilling
- RT Drilling equipment
- RT Drills
- RT Natural gas
- RT Petroleum
- RT Well drilling

## Drills

- BT1 Drilling equipment
- BT2 Equipment
- RT Drill bits
- RT Drill cores
- RT Drill pipes
- RT Drilling fluids
- RT Drilling rigs
- RT Rock drilling
- RT Well drilling

## Drinking

- See Drinking water

## Drinking water

- BT1 Water
- RT Fresh water
- RT Water quality

## Drive mechanism

## Drop

- See Flow rate
- See Fluid flow
- See Isopiestic measurement
- See Pressure drop
- See Pressure release

## Dry

- See Hot dry rock systems
- See Vapor dominated systems

## Dry rock systems

- See Hot dry rock systems

## Dry rocks

- See Hot dry rock systems

## Dry steam systems

- Use Vapor dominated systems

## Duval Fairway

- BT1 Texas
- BT2 USA
- BT3 North America

**DOE**

See US DOE  
See US ERDA

**Earth**

See Air  
See Air pollution  
See Alkaline earth metals  
See Atmospheric  
precipitations  
See Continental crust  
See Earth atmosphere  
See Earth core  
See Earth crust  
See Earth mantle  
See Earth movements  
See Earth penetrators  
See Earth planet  
See Earth planetary  
structure  
See Environment  
See Geography  
See Geology  
See Geophysics  
See Ground motion  
See Meteorology  
See Oceanography  
See Seismic waves  
See Seismology  
See Telluric surveys  
See Topography

**Earth atmosphere**

NT1 Stratosphere  
NT1 Troposphere  
RT Air  
RT Air pollution  
RT Atmospheric  
precipitations  
RT Earth planet  
RT Environment  
RT Meteorology

**Earth core**

BT1 Earth planetary  
structure  
RT Earth planet

**Earth crust**

BT1 Earth planetary  
structure  
NT1 Continental crust  
NT1 Oceanic crust  
RT Earth mantle  
RT Earth planet  
RT Isostasy  
RT Lithosphere  
RT Plate tectonics  
RT Sea bed  
RT Sea floor spreading

**Earth current surveys**

Use Telluric surveys

**Earth interior**

Use Earth core  
Use Earth mantle

**Earth mantle**

BT1 Earth planetary  
structure  
RT Convection cells  
RT Earth crust  
RT Earth planet  
RT Overburden

**Earth movements**

NT1 Earthquakes  
NT1 Ground subsidence  
RT Creep  
RT Earth planet  
RT Geology  
RT Ground motion  
RT Seismic waves  
RT Seismology

**Earth penetrators**

BT1 Penetrators  
RT Subterrene penetrators

**Earth planet**

RT Continental crust  
RT Earth atmosphere  
RT Earth core  
RT Earth crust  
RT Earth mantle  
RT Earth movements  
RT Earth planetary structure  
RT Geography  
RT Geophysics  
RT Lithosphere  
RT Oceanography  
RT Topography



# **Earth planetary structure**

- NT1 Earth core
- NT1 Earth crust
- NT1 Earth mantle
- RT Earth planet
- RT Lithosphere

# **Earth structure**

- Use Earth planetary structure

# **Earthquakes**

- BT1 Seismic events
- BT1 Earth movements
- NT1 Microearthquakes
- RT Seismic S waves
- RT Seismic waves
- RT Seismology
- RT Shock waves

# **Earths**

- See Rare earths

# **East**

- See East Mesa KGRA
- See German Democratic Republic
- See Middle East

# **East Germany**

- Use German Democratic Republic

# **East Mesa**

- See East Mesa KGRA

# **East Mesa Geothermal Field**

- Use East Mesa KGRA

# **East Mesa KGRA**

- BT1 KGRAS
- BT1 Imperial Valley
- BT2 California
- RT Geothermal fields

# **Ecology**

- BT1 Biology
- NT1 Baseline ecology
- RT Ecosystems
- RT Environment
- RT Paleoecology
- RT Regional analysis

# **Economic**

- See Allocations
- See Economic geology
- See Economic policy
- See Economics
- See Energy policy
- See Forecasting
- See Government policies
- See Inflation
- See Mineral production
- See Socio-economic factors

# **Economic analysis**

- BT1 Economics
- RT Regional analysis

# **Economic geology**

- BT1 Geology
- RT Economics
- RT Mineral production

# **Economic impact**

- RT Economics
- RT Inflation
- RT Socio-economic factors

# **Economic policy**

- RT Allocations
- RT Economics
- RT Energy policy
- RT Forecasting
- RT Government policies

## **Economics**

- NT1 Economic analysis
- RT Availability
- RT Budgets
- RT By-products
- RT Capital
- RT Charges
- RT Cost benefit analysis
- RT Deregulation
- RT Economic geology
- RT Economic impact
- RT Economic policy
- RT Energy policy
- RT Feasibility studies
- RT Financial incentives
- RT Financing
- RT Income
- RT Inflation
- RT Investment
- RT Life-cycle cost
- RT Market
- RT Profits
- RT Regional analysis
- RT Socio-economic factors
- RT Subsidies
- RT Taxes
- RT Trade

## **Ecosystems**

- NT1 Aquatic ecosystems
- RT Agriculture
- RT Biology
- RT Biosphere
- RT Communities
- RT Ecology
- RT Environment
- RT Populations
- Also see Aquatic organisms
- Also see Fishes

## **Edna Delcambre No. 1 Well**

- BT1 Louisiana
- BT2 USA
- BT3 North America

## **Education**

- RT Manuals

## **Effects**

- NT1 Biological effects
- NT1 Corrosive effects
- NT1 Environmental effects
- NT1 Heterogenous effects
- NT1 Temperature effects
- Also see Air pollution
- Also see Biology
- Also see Environment
- Also see Environmental policy
- Also see Heat
- Also see Seismic effects
- Also see Seismic events
- Also see Thermal pollution
- Also see Water pollution

## **Efficiency**

- NT1 Thermal efficiency
- RT Comparative evaluations
- RT Feasibility studies
- RT Net energy
- RT Performance
- RT Performance testing
- RT Productivity
- Also see Thermodynamic cycles

## **Effluents**

- See Chemical effluents
- See Gaseous wastes
- See Liquid wastes
- See Mineral wastes
- See Pollution
- See Solid wastes
- See Temperature effects
- See Thermal effluents
- See Thermal pollution
- See Waste heat

## **Effluents (chemical)**

- Use Chemical effluents

## **Effluents (gaseous)**

- Use Gaseous wastes

## **Effluents (liquid)**

- Use Liquid wastes

## **Effluents (thermal)**

- Use Thermal effluents

**Ejectors**

See Air  
See Gas ejectors  
See Gaseous wastes  
See Pumps  
See Steam

**El Paso County**

BT1 Texas  
BT2 Gulf Coast

**El Salvador**

BT1 Central America

**Elastic**

See Elasticity

**Elastic properties**

Use Elasticity

**Elasticity**

BT1 Tensile properties  
BT2 Mechanical properties  
NT1 Thermoelasticity  
RT Brittleness  
RT Strains

**Elastomers**

BT1 Polymers

**Electric**

See Power generation

**Electric generators**

RT Power generation

**Electric**

See Electric conductivity  
See Electric heating  
See Electric potential  
See Electric power  
See Electric power industry  
See Power generation  
See Power plants  
See Public utilities

**Electric conductivity**

BT1 Electrical properties  
BT2 Physical properties

**Electric heating**

BT1 Heating  
RT Space heating

**Electric potential**

**Electric power**

BT1 Energy  
BT1 Power  
RT Electric power industry  
RT Power generation  
RT Power plants  
RT Power potential  
RT Power transmission  
RT Public utilities

**Electric power generation**

Use Power generation

**Electric power industry**

BT1 Industry  
RT Electric power  
RT Power plants

**Electric power plants**

Use Power plants

**Electric resistivity**

Use Electric conductivity

**Electric utilities**

Use Public utilities

**Electrical**

See Electric conductivity  
See Electrical equipment  
See Electrical logging  
See Electrical properties  
See Electrical surveys  
See Resistivity logging

**Electrical conductivity**

Use Electric conductivity

**Electrical equipment**

BT1 Equipment

**Electrical exploration**

BT1 Geophysical exploration  
BT2 Exploration  
RT Electrical surveys  
RT Well logging

**Electrical logging**

BT1 Well logging  
NT1 Induction logging  
NT1 Resistivity logging  
NT1 Sp logging  
RT Electrical surveys

**Electrical properties**

- BT1 Physical properties
- NT1 Dielectric constant
- NT1 Electric conductivity

**Electrical resistivity**

- Use Electric conductivity

**Electrical surveys**

- BT1 Geophysical surveys
- BT2 Exploration methods
- NT1 Electromagnetic surveys
- NT1 Magnetotelluric surveys
- NT1 Resistivity surveys
- NT1 Self potential surveys
- NT1 Telluric surveys
- RT Electrical logging
- RT Electrical exploration
- RT Resistivity logging

**Electrodialysis**

- BT1 Separation processes
- RT Demineralization
- RT Desalination
- RT Diffusion
- RT Mass transfer
- RT Permeability
- RT Semipermeable membranes

**Electrolysis**

- RT Anions
- RT Cations
- RT Ions

**Electromagnetic**

- See Electromagnetic radiation
- See Electromagnetic surveys

**Electromagnetic radiation**

- NT1 Gamma radiation

**Electromagnetic surveys**

- BT1 Electrical surveys
- BT2 Geophysical surveys
- NT1 Magnetotelluric surveys

**Elements**

- NT1 Metals
- NT1 Nonmetals
- NT1 Semimetals
- NT1 Transuranium elements
- Also see Trace amounts
- Also see Transition elements

**Elevated**

- See Elevated concentration
- See Elevated pressure
- See Elevated temperature

**Elevated concentration**

- RT Concentration dependence

**Elevated pressure**

- RT Pressure dependence

**Elevated temperature**

- RT Temperature dependence

**Elongation**

- RT Deformation
- RT Thermal expansion

**Embayment**

- See Rio Grande Embayment

**Emission**

- See Emission spectroscopy

**Emission spectroscopy**

- BT1 Measuring methods

**Empirical**

- See Empirical equations

**Empirical equations**

- BT1 Equations
- RT Mathematical models
- RT Numerical solutions

**Employment**

**Energy**

NT1 Electric power  
 NT1 Geothermal energy  
 NT1 Heat  
 NT1 Kinetic energy  
 NT1 Nuclear energy  
 NT1 Potential energy  
 NT1 Solar energy  
 NT1 Stored energy  
 NT1 Wind energy  
 RT Energy sources  
 RT Thermodynamics  
 Also see Allocations  
 Also see Availability  
 Also see Direct energy utilization  
 Also see Economics  
 Also see Energy balance  
 Also see Energy conservation  
 Also see Energy consumption  
 Also see Energy conversion  
 Also see Energy demand  
 Also see Energy policy  
 Also see Energy reserves  
 Also see Energy resources  
 Also see Energy sources  
 Also see Energy storage  
 Also see Energy transfer  
 Also see Energy yield  
 Also see Exploitation  
 Also see Geothermal energy conversion  
 Also see Heat storage  
 Also see KGRAs  
 Also see Net energy  
 Also see Nuclear power plants  
 Also see Ocean thermal power plants  
 Also see Ocean thermal energy conversion  
 Also see Power potential  
 Also see Productivity  
 Also see Reserves  
 Also see Resources  
 Also see Solar energy conversion  
 Also see Solar power plants  
 Also see US AEC  
 Also see US DOE  
 Also see US ERDA  
 Also see Wind power plants  
 Also see Working fluids

**Energy accounting**

BT1 Energy costs  
 RT Net energy

**Energy balance**

RT Energy demand  
 RT Energy supplies  
 RT Energy transfer  
 RT Energy yield  
 RT Heat balance

**Energy conservation**

RT Energy consumption  
 RT Resource conservation

**Energy consumption**

RT Consumption rates  
 RT Energy conservation  
 RT Energy demand  
 RT Energy supplies  
 RT Energy yield  
 RT Exploitation  
 RT Net energy  
 RT Resource depletion

**Energy conversion**

BT1 Conversion  
 NT1 Geothermal energy conversion  
 NT1 Solar energy conversion  
 RT Energy transfer  
 RT Working fluids

**Energy demand**

RT Energy balance  
 RT Energy consumption  
 RT Energy sources  
 RT Energy storage  
 RT Energy supplies  
 RT Energy yield

**Energy policy**

BT1 Government policies  
 RT Allocations  
 RT Economic policy  
 RT Economics

**Energy potential**

Use Power potential

**Energy reserves**

BT1 Reserves  
 RT Availability

**Energy resources**

**Energy source development**

- RT Energy sources
- RT Resource assessment
- RT Resource development
- RT Resource potential
- RT Risk assessment

**Energy sources**

- NT1 Fossil fuels
- NT1 Fuel gas
- NT1 Heat sources
- NT1 Tidal power
- RT Availability
- RT Energy
- RT Energy demand
- RT Energy supplies
- RT Energy yield

**Energy storage**

- BT1 Storage
- NT1 Heat storage
- RT Direct energy utilization
- RT Energy demand
- RT Energy supplies
- RT Energy yield
- RT Stored energy

**Energy supplies**

- RT Energy balance
- RT Energy consumption
- RT Energy demand
- RT Energy sources
- RT Energy storage
- RT Energy yield
- RT Reserves
- RT Resources

**Energy transfer**

- NT1 Heat transfer
- RT Energy balance
- RT Energy conversion
- RT Energy yield
- RT Mass transfer

**Energy yield**

- RT Energy balance
- RT Energy consumption
- RT Energy demand
- RT Energy sources
- RT Energy storage
- RT Energy supplies
- RT Energy transfer
- RT Net energy
- RT Productivity

**Energy Recovery**

- RT Heat
- RT Kinetic energy
- RT Materials recovery
- RT Potential energy
- RT Thermodynamics

**Energy Research and  
Development  
Administration**

Use US ERDA

**Enforcement**

- RT Laws
- RT Legal aspects
- RT Regulations

**Engineering**

- NT1 Engineering geology
- NT1 Reservoir engineering
- RT Engineering properties
- Also see Compaction
- Also see Exploitation
- Also see Geopressured  
reservoirs
- Also see Marine geology
- Also see Reservoir rocks
- Also see Safety

**Engineering geology**

- BT1 Geology
- BT1 Engineering
- RT Exploitation
- RT Marine geology
- RT Mineral resources
- RT Petroleum geology

**Engineering properties**

- RT Engineering

**Enhanced**

See Directional drilling

**Enhanced recovery**

- RT Directional drilling

**Enthalpy**

- BT1 Thermodynamic properties
- BT2 Physical properties
- NT1 Reaction heat

**Environment**

- NT1 Depositional environment
- RT Accidents
- RT Aquatic ecosystems
- RT Biosphere
- RT Earth atmosphere
- RT Ecology
- RT Ecosystems
- RT Environmental effects
- RT Environmental geology
- RT Environmental policy
- RT Environmental impact statements
- RT Hydrosphere
- RT Paleoecology
- RT Pollution
- RT Populations
- RT Regional analysis
- RT Site selection
- RT Surface waters

**Environmental**

- See Air pollution
- See Environment
- See Environmental effects
- See Environmental geology
- See Environmental policy
- See Environmental impact statements
- See Thermal pollution
- See US EPA
- See Water pollution

**Environmental effects**

- BT1 Effects
- RT Abatement
- RT Air pollution
- RT Biological effects
- RT Contamination
- RT Environmental impacts
- RT Environment
- RT Environmental policy
- RT Fault activation
- RT Hydrogen sulfides
- RT Thermal pollution
- RT Water pollution

**Environmental geology**

- BT1 Geology
- RT Environment

**Environmental impact statements**

- BT1 Document types
- RT Environment
- RT Environmental effects

**Environmental impacts**

- RT Environmental policy

**Environmental policy**

- BT1 Government policies
- RT Environment
- RT Environmental effects

**Environmental Protection**

- Agency**
- Use US EPA

**Eocene**

- See Eocene Epoch

**Eocene Epoch**

- BT1 Tertiary Period
- BT2 Cenozoic Era

**Epa**

- Use US EPA

**Epidotes**

- BT1 Silicate minerals
- BT2 Minerals

**Epoch**

- See Eocene Epoch
- See Miocene Epoch
- See Oligocene Epoch
- See Paleocene Epoch
- See Pleistocene Epoch
- See Pliocene Epoch
- See Recent Epoch

**Equations**

- NT1 Differential equations
- NT1 Empirical equations
- RT Mathematical models
- RT Mathematics
- Also see Lagrange equations

**Equilibrium**

- NT1 Chemical equilibrium
- NT1 Thermal equilibrium

**Equipment**

NT1 Drilling equipment  
NT1 Electrical equipment  
NT1 Laboratory equipment  
NT1 Pollution control  
equipment  
NT1 Surface equipment  
NT1 Well logging equipment  
RT Measuring instruments  
Also see Blowout preventers  
Also see Coring equipment  
Also see Pollution control  
Also see Well design

**Era**

See Cenozoic Era  
See Mesozoic Era  
See Paleozoic Era

**Eras**

See Precambrian Eras

**Erosion**

RT Abrasion  
RT Cavitation  
RT Corrosion

**Errors**

RT Accidents

**Estimation**

See Geochronology

**Estuaries**

BT1 Surface waters  
RT Coastal waters  
RT Fresh water  
RT Offshore sites  
RT Rivers  
RT Salinity  
RT Sea water  
RT Seas

**Ethane**

BT1 Alkanes  
BT2 Hydrocarbons

**Eugene**

See Eugene Island Block 18  
Field

**Eugene Island Block 18 Field**

BT1 Louisiana  
BT2 Gulf Coast

**Europe**

BT1 Continents  
NT1 Czechoslovakia  
NT1 German Democratic  
Republic  
NT1 German Federal Republic  
NT1 Hungary  
NT1 Iceland  
NT1 Italy  
NT1 Volga river  
RT Urals  
RT USSR

**Europium**

BT1 Rare earths  
BT2 Metals

**Evaluation**

RT Comparative evaluations  
RT Correlation  
RT Forecasting  
RT Profitability

**Evaluations**

See Comparative evaluations

**Evaporation**

BT1 Phase transformations  
NT1 Flashing  
RT Boiling  
RT Dehydration  
RT Dewatering  
RT Evaporators  
RT Vapors  
RT Volatility

**Evaporators**

RT Desalination  
RT Evaporation  
RT Heat exchangers

**Evaporites**

BT1 Nonclastic rocks  
BT2 Sedimentary rocks  
RT Precipitation

**Evaporitic**

See Evaporites

**Evaporitic rocks**

Use Evaporites

**Events**

See Seismic events

**Evolution**



**Exchange**

See Ion exchange

**Exchangers**

See Crevice corrosion

See Heat exchangers

See Steam condensers

**Expansibility**

Use Thermal expansivity

**Expansion**

NT1 Thermal expansion

Also see Elongation

Also see Thermal expansivity

**Expansivity**

Also see Thermal expansion

Use Thermal expansivity

**Expenses**

Use Cost

**Experimental**

See Data

See Document types

See Experimental results

See Field studies

See Graphs

See Measuring methods

See Tables

See Theoretical treatments

**Experimental results**

RT Data

RT Document types

RT Field studies

RT Graphs

RT Laboratory studies

RT Tables

RT Theoretical treatments

**Experimental studies**

Use Experimental results

**Experimental techniques**

Use Measuring methods

**Exploitation**

RT Development

RT Energy consumption

RT Engineering geology

RT Heat extraction

RT Leasing

RT Natural gas industry

RT Petroleum industry

RT Reserves

RT USeS

**Exploration**

NT1 Geophysical exploration

NT1 Geopressure exploration

NT1 Geothermal exploration

NT1 Mineral exploration

NT1 Petroleum geology

NT1 Petroleum exploration

NT1 Resource potential

RT Detection

RT Exploration methods

RT Exploratory wells

Also see Exploration methods

Also see Marine surveys

Also see Petroleum

Also see Petroleum industry

Also see Resistivity surveys

Also see Telluric surveys

Also see Thermal exploration  
methods

**Exploration methods**

NT1 Aerial surveys

NT1 Geochemical surveys

NT1 Geological surveys

NT1 Geophysical surveys

RT Exploration

RT Field studies

RT Subsurface mapping

**Exploratory**

See Exploratory wells

**Exploratory wells**

BT1 Wells

RT Exploration

**Explosions**

NT1 Chemical explosions  
NT1 Contained explosions  
NT1 Nuclear explosions  
NT1 Underground explosions  
RT Explosive stimulation  
RT Explosives  
RT Hazards  
RT Shock waves  
Also see Seismic events  
Also see Seismic s waves

**Explosive**

See Explosive stimulation

**Explosive stimulation**

BT1 Well stimulation  
BT2 Reservoir engineering  
RT Explosions

**Explosives**

NT1 Chemical explosives  
NT1 Nuclear explosives  
RT Explosions

**Extraction**

Also see Exploitation  
Also see Heating  
Use Heat extraction

**Extrusive**

See Extrusive rocks

**Extrusive rocks**

BT1 Igneous rocks  
BT2 Rocks  
NT1 Andesite  
NT1 Basalt  
NT1 Pyroclastic rocks  
NT1 Rhyolite

**ERDA**

Use US ERDA

**Fabrication**

RT Contracts

**Facies**

RT Facies maps  
RT Sand shale ratio

**Facies maps**

BT1 Stratigraphic maps  
BT2 Maps  
NT1 Net sand maps  
NT1 Sand percent maps  
RT Calstic ratio  
RT Calstic ratio maps  
RT Facies  
RT Sand trend maps

**Facilities**

See Aquifer tests  
See Comparative evaluations  
See Field studies  
See Public lands

**Factors**

See Economics  
See Socio-economic factors

**Failures**

NT1 Rock failures  
RT Accidents  
RT Corrosion  
RT Fracture properties  
RT Hazards  
RT Reliability  
RT Safety  
RT Systems analysis

**Fairfax Foster Sutter No. 2  
Well**

BT1 Louisiana  
BT2 USA  
BT3 North America

**Fairway**

See Fairway analysis

**Fairway analysis**

**Falls**

See Klamath Falls KGRA

**Farm**

See Domestic animals  
See Farm buildings

**Farm animals**

Use Domestic animals

**Farm buildings**

BT1 Buildings  
RT Animal shelters

**Fatigue**

BT1 Mechanical properties

## **Fault**

- See Environmental effects
- See Fault blocks
- See Fault systems
- See Fault zones
- See Faults
- See Rift valleys
- See San Andreas Fault
- See Waste disposal

## **Fault activation**

- RT Environmental effects
- RT Fault systems
- RT Faults
- RT Waste disposal

## **Fault blocks**

- BT1 Geologic structures
- RT Fault systems
- RT Faults

## **Fault seals**

## **Fault systems**

- BT1 Geologic structures
- RT Fault activation
- RT Fault blocks
- RT Faults
- RT Rift valleys

## **Fault zones**

- BT1 Geologic structures
- RT Faults
- RT Rift valleys

## **Faulting**

- BT1 Rock deformation
- BT2 Deformation
- RT Faults

## **Faults**

- BT1 Geologic structures
- NT1 Active faults
- NT1 Growth faults
- NT1 Lateral faults
- NT1 Normal faults
- NT1 Thrust faults
- RT Diastrophism
- RT Displacements
- RT Fault activation
- RT Fault blocks
- RT Fault systems
- RT Fault zones
- RT Faulting
- RT Fissures
- RT Grabens
- RT Rift valleys
- RT Rock failures

## **Feasibility**

- See Comparative evaluations
- See Economics
- See Feasibility studies

## **Feasibility studies**

- RT Comparative evaluations
- RT Design
- RT Economics
- RT Efficiency
- RT Performance
- RT Planning
- RT Productivity
- RT Technology assessment
- RT Technology utilization
- RT Testing

## **Features**

- See Geologic structures
- See Mountains
- See Submarine trenches

## **Federal**

- See German Federal Republic
- See Public lands

## **Federal lands**

- Use Public lands

## **Federal Buildings**

- BT1 Buildings
- RT Military facilities
- RT Office buildings
- RT Public buildings

## **Federal Republic of Germany**

- Use German Federal Republic

### **Feldspars**

- BT1 Silicate minerals
- BT2 Minerals
- NT1 Adularia
- NT1 Microcline
- NT1 Orthoclase
- NT1 Plagioclases

### **Ffg**

#### **Field**

- See Cerro Prieto Geothermal Field
- See East Mesa KGRA
- See Eugene Island Block 18 Field
- See Exploration methods
- See Field studies
- See Geology
- See Geysers Geothermal Field
- See Hot water systems
- See Hydrology
- See Lardereillo Geothermal Field
- See Recluse Field
- See Rock mechanics
- See Valles Caldera Geothermal Field
- See Vapor dominated systems
- See Wairakei Geothermal Field

#### **Field studies**

- BT1 Document types
- RT Case histories
- RT Experimental results
- RT Exploration methods
- RT Geological setting
- RT Geology
- RT Hydrology
- RT Laboratory studies
- RT Rock mechanics
- RT Soil mechanics
- RT Test facilities

### **Fields**

- See Coso Hot Springs KGRA
- See East Mesa KGRA
- See Geopressured zones
- See Geothermal fields
- See Geothermal systems
- See Gravitation
- See Klamath Falls KGRA
- See KGRAs
- See Marysville KGRA
- See Mono-long Valley KGRA
- See Natural gas
- See Natural gas fields
- See Oil fields
- See Oil wells
- See Petroleum
- See Raft River KGRA
- See Reservoir rocks

### **Filtration**

- BT1 Separation processes

### **Financial incentives**

- NT1 Subsidies
- RT Economics
- RT Financing
- RT Profitability
- RT Taxes

### **Financing**

- RT Budgets
- RT Capital
- RT Charges
- RT Cost
- RT Economics
- RT Financial incentives
- RT Investment
- RT Subsidies

### **Fire**

- See Fire hazards
- See Flammability

### **Fire hazards**

- BT1 Hazards
- RT Flammability
- RT Safety

### **Fires**

- RT Flammability

### **Fish**

- See Aquaculture

### **Fish culture**

- Use Aquaculture

## **Fishes**

- BT1 Aquatic organisms
- BT2 Animals
- RT Aquaculture
- RT Aquatic ecosystems
- RT Biology
- RT Hydrosphere
- RT Surface waters

## **Fissured**

- See Fractured reservoirs

## **Fissured formations**

- Use Fractured reservoirs

## **Fissures**

- BT1 Geologic structures
- RT Cracks
- RT Faults
- RT Fractures

## **Fittings**

- See Nozzles
- See Pipes

## **Flame**

- See Emission spectroscopy

## **Flame photometry**

- Use Emission spectroscopy

## **Flammability**

- BT1 Chemical properties
- RT Accidents
- RT Fire hazards
- RT Fires
- RT Safety
- RT Volatility

## **Flash**

- See Flashing

## **Flash evaporation**

- Use Flashing

## **Flashed**

- See Flashed steam systems
- See Geothermal energy conversion
- See Thermodynamic cycles

## **Flashed steam systems**

- RT Flashing
- RT Geothermal energy conversion
- RT Thermodynamic cycles

## **Flashing**

- BT1 Evaporation
- BT2 Phase transformations
- RT Flashed steam systems
- RT Steam
- RT Thermal waters
- RT Two phase flow

## **Flooding**

- See Injection rates

## **Flooding rate**

- Use Injection rates

## **Floods**

- RT Atmospheric precipitations
- RT Hazards
- RT Hydrology
- RT Surface waters

## **Floor**

- See Earth crust
- See Oceanic crust
- See Plate tectonics
- See Sea bed
- See Sea floor spreading
- See Seas

## **Florida**

- BT1 Gulf Coast
- BT2 North America
- RT Gulf Coast

## **Flow**

- See Circulating rate
- See Diagrams
- See Flashing
- See Flow models
- See Flow rate
- See Fluid flow
- See Geothermal energy conversion
- See Heat flow
- See Heat flow surveys
- See Liquid flow
- See Thermal conduction
- See Thermodynamic cycles
- See Two phase flow

## **Flow (fluid)**

- Use Fluid flow

## **Flow charts**

- Use Diagrams

**Flow models**

- BT1 Mathematical models
- BT2 Models
- RT Fluid flow

**Flow rate**

- BT1 Rates
- NT1 Circulating rate
- RT Flowmeters
- RT Fluid flow
- RT Hydraulics
- RT Hydrodynamics
- RT Pressure drop
- RT Velocity

**Flow string**

- RT Well casings
- See Production tubing
- See Tubing (well)
- See Well tubing

**Flowmeters**

- BT1 Measuring instruments
- RT Flow rate
- RT Fluid flow
- RT Liquid flow
- RT Nozzles

**Fluid**

- See Chemical reactions
- See Circulating rate
- See Flow rate
- See Fluid flow
- See Fluid mechanics
- See Fluid pressure
- See Fluid sampling
- See Fluid withdrawal
- See Gas turbine power generation
- See Geothermal fluids
- See Geothermal energy conversion
- See Ground water
- See Hydrothermal alteration
- See Hydrothermal systems
- See Interstitial water
- See Liquid wastes
- See Overdraft
- See Reservoir pressure
- See Rocks
- See Thermodynamic cycles
- See Waste disposal

**Fluid disposal**

- Use Liquid wastes
- Use Waste disposal

**Fluid flow**

- NT1 Liquid flow
- NT1 Two phase flow
- RT Cavitation
- RT Flow models
- RT Flow rate
- RT Flowmeters
- RT Fluid properties
- RT Fluid mechanics
- RT Fluids
- RT Hydraulics
- RT Hydrodynamics
- RT Jets
- RT Leakage
- RT Mass transfer
- RT Nozzles
- RT Pressure drop
- RT Rheology
- RT Viscosity

**Fluid mechanics**

- NT1 Hydrodynamics
- RT Fluid flow
- RT Fluids
- RT Hydraulics
- RT Hydrostatics

**Fluid pressure**

**Fluid properties**

- BT1 Physical properties
- NT1 Mud weight
- RT Compressibility
- RT Density
- RT Fluid flow

**Fluid sampling**

- BT1 Sampling

**Fluid withdrawal**

- RT Geothermal fluids
- RT Ground water
- RT Overdraft

**Fluidized bed heat exchangers**

- BT1 Heat exchangers

**Fluids**

- NT1 Gases
- NT1 Geothermal fluids
- NT1 Liquids
- NT1 Reservoir Fluids
- NT1 Working fluids
- RT Fluid flow
- RT Fluid mechanics
- Also see Circulation
- Also see Crevice corrosion
- Also see Drilling
- Also see Drilling fluids
- Also see Drills
- Also see Geothermal brines
- Also see Heat exchangers
- Also see Hydrothermal systems
- Also see Salt water
- Also see Thermal effluents
- Also see Thermodynamic cycles
- Also see Well drilling

**Fluorides**

- BT1 Fluorine inorganic compounds
- BT1 Halides

**Fluorine**

- BT1 Halogens
- BT2 Nonmetals
- Also see Fluorine inorganic compounds

**Fluorine inorganic compounds**

- NT1 Fluorides

**Fluorite**

- BT1 Halide minerals
- BT2 Minerals

**Flux**

- See Heat flow

**Fold**

- See Fold systems

**Fold systems**

- BT1 Geologic structures
- NT1 Anticlinoria
- NT1 Synclinoria
- RT Folds

**Folds**

- BT1 Geologic structures
- NT1 Anticlines
- NT1 Monoclines
- NT1 Overturned folds
- NT1 Synclines
- RT Fold systems
- RT Salt domes

**Food processing****Foraminifera**

- BT1 Protozoa
- BT2 Microorganisms
- BT2 Invertebrates
- RT Biostratigraphy
- RT Paleontology

**Forecasting**

- RT Correlation
- RT Economic policy
- RT Evaluation
- RT Management
- RT Market
- RT Possibilities

**Formation**

- See Arkansas
- See California
- See Cretaceous Period
- See Disposal formations
- See Ffg
- See Formation heat
- See Formation thickness
- See Fracturing
- See Geopressure
- See Interstitial water
- See Jurassic Period
- See Louisiana
- See Mesozoic Era
- See Mississippi
- See Oklahoma
- See Oligocene Epoch
- See Permeability
- See Plugging
- See Reservoir pressure
- See Subnormal formation pressure
- See Texas
- See Well completion

**Formation damage**

- RT Disposal formations
- RT Permeability
- RT Plugging
- RT Well completion

**Formation fracture gradient**

Use FFG

**Formation fracturing**

Use Fracturing

**Formation heat**

BT1 Reaction heat

BT2 Enthalpy

**Formation plugging**

Use Plugging

**Formation pressure**

Use Reservoir pressure

**Formation testing**

BT1 Testing

RT Bottom hole pressure

RT Bottom hole temperature

RT Gas production

RT Reserves

RT Reservoir engineering

RT Reservoir pressure

RT Sampling

RT Well logging

RT Well testing

**Formation thickness**

BT1 Thickness

BT2 Dimensions

RT Isopach

RT Overburden

RT Stratigraphy

**Formation water**

Use Interstitial water

**Formations**

See Disposal formations

See Disposal wells

See Fractured reservoirs

See Waste disposal

See Well design

**Fossil**

See Fossil fuel power plants

See Fossil fuels

**Fossil fuel power plants**

BT1 Thermal power plants

BT2 Power plants

**Fossil fuels**

BT1 Energy sources

BT1 Fuels

NT1 Coal

NT1 Natural gas

NT1 Petroleum

RT Oil shale

**Fouling**

RT Antifoulants

RT Corrosion

RT Demineralization

RT Deposition

RT Plugging

RT Scaling

RT Water pollution

**Fracture**

See Ffg

See Fracture properties

See Rock properties

**Fracture flow**

**Fracture properties**

BT1 Mechanical properties

RT Cracks

RT Failures

RT Fractures

RT Rock properties

**Fractured**

See Fractured reservoirs

**Fractured formations**

Use Fractured reservoirs

**Fractured reservoirs**

BT1 Reservoir rocks

BT2 Rocks

**Fractures**

RT Cracks

RT Deformation

RT Fissures

RT Fracture properties

**Fracturing**

NT1 Hydraulic fracturing

Also see Reservoir  
engineering

**Fragmental**

See Clastic rocks

**Fragmental rocks**

Use Clastic rocks



**Franciscan**

See California  
See Cretaceous Period  
See Jurassic Period  
See Mesozoic Era

**Franciscan Formation**

RT California  
RT Cretaceous Period  
RT Jurassic Period  
RT Mesozoic Era

**Francium**

BT1 Alkali metals  
BT2 Metals

**Frasch**

See Frasch sulfur process

**Frasch sulfur process**

BT1 Recovery processes  
RT Sulfur

**Free**

See Free water  
See Ground water

**Free ground water**

Use Ground water

**Free water**

BT1 Subsurface waters  
RT Artesian water  
RT Capillary water  
RT Ground water  
RT Hygroscopic water  
RT Permeability  
RT Vadosic water

**Freezing**

See Freezing potential  
See Melting point

**Freezing point**

Use Melting point

**Freezing potential**

BT1 Physical properties

**Fresh**

See Drinking water  
See Fresh water  
See Salt water

**Fresh water**

BT1 Water  
RT Drinking water  
RT Estuaries  
RT Lakes  
RT Limnology  
RT Salt water  
RT Water reservoirs

**Friction**

**Frio**

See Louisiana  
See Oligocene Epoch  
See Texas

**Frio Formation**

NT1 Brazoria Fairway  
RT Louisiana  
RT Oligocene Epoch  
RT Texas

**Frost**

BT1 Atmospheric  
precipitations  
BT2 Meteorology  
RT Permafrost  
RT Snow

**Fuel**

See Fossil fuel power plants  
See Fuel gas  
See Fuel leasing

**Fuel gas**

BT1 Gases  
BT2 Fluids  
BT1 Fuels  
BT1 Energy sources  
BT1 Natural gas  
RT Synthetic fuels

**Fuel gas**

BT1 Energy sources  
BT1 Fuels  
BT1 Gases  
BT2 Fluids  
NT1 Natural gas

**Fuel leasing**

BT1 Leasing

**Fuels**

- BT1 Fossil fuels
- BT2 Coal
- BT2 Natural gas
- BT2 Petroleum
- BT1 Fuel gas
- BT1 Synthetic fuels
- NT1 Natural gas

**Fuels**

- NT1 Fossil fuels
- NT1 Fuel gas
- Also see Fossil fuels

**Fumaroles**

- RT Hydrothermal systems
- RT Thermal waters

**Functional**

- See Comparative evaluations
- See Functional models
- See Simulation

**Functional models**

- BT1 Models
- NT1 Pilot plants
- RT Comparative evaluations
- RT Simulation

**G codes**

- BT1 Computer codes

**Gabbro**

- BT1 Intrusive rocks
- BT2 Igneous rocks

**Gages**

- See Pressure gages

**Galena**

- BT1 Sulfide minerals
- BT2 Minerals

**Gallium**

- BT1 Metals
- BT2 Elements

**Galveston**

- See Galveston County

**Galveston County**

- BT1 Texas
- BT2 Gulf Coast

**Gamma**

- See Gamma radiation
- See Gamma ray logging
- See Gamma ray surveys
- See Gamma spectroscopy

**Gamma radiation**

- BT1 Electromagnetic radiation
- RT Gamma ray logging
- RT Gamma spectroscopy

**Gamma ray logging**

- BT1 Radioactivity logging
- BT2 Well logging
- RT Gamma radiation
- RT Gamma spectroscopy

**Gamma ray surveys**

- BT1 Radioactivity surveys
- BT2 Geophysical surveys
- RT Gamma spectroscopy

**Gamma spectroscopy**

- BT1 Measuring methods
- RT Gamma radiation
- RT Gamma ray logging
- RT Gamma ray surveys
- RT Spectrometric surveys

**Gamma-gamma logging**

- BT1 Radioactivity logging
- BT2 Well logging

**Gas**

See Air  
 See Binary cycle power systems  
 See Dissolved gases  
 See Exploitation  
 See Fuel gas  
 See Gas analysis  
 See Gas chromatography  
 See Gas ejectors  
 See Gas heating  
 See Gas production  
 See Gas saturation  
 See Gas turbine power plants  
 See Gas turbines  
 See Gas turbine power generation  
 See Gaseous wastes  
 See Gases  
 See Geophysical surveys  
 See Hydrology  
 See Hydrothermal systems  
 See Interstitial water  
 See Natural gas  
 See Natural gas deposits  
 See Natural gas fields  
 See Natural gas industry  
 See Natural gas wells  
 See Natural occurrence  
 See Natural recharge  
 See Natural steam  
 See Overdraft  
 See Pumps  
 See Reservoir rocks  
 See Resources  
 See Salt domes  
 See Steam  
 See Stratigraphic traps  
 See Structural traps  
 See Traps  
 See Well completion

**Gas analysis**

BT1 Analysis  
 BT1 Chemical analysis methods  
 BT2 Measuring methods  
 NT1 Air analysis  
 RT Gas chromatography  
 RT Gases  
 RT Mud logging  
 RT Qualitative chemical analysis  
 RT Quantitative chemical analysis

**Gas cap gases**

Use Dissolved gases

**Gas caps**

RT Natural gas

**Gas chromatography**

BT1 Chromatography  
 BT2 Separation processes  
 BT2 Chemical analysis methods  
 RT Gas analysis  
 RT Quantitative chemical analysis

**Gas condensates**

RT Condensates  
 RT Gases

**Gas ejectors**

RT Air  
 RT Gaseous wastes  
 RT Pumps  
 RT Steam

**Gas fields**

Use Natural gas fields

**Gas heating**

BT1 Heating

**Gas production**

BT1 Production  
 RT Formation testing  
 RT Natural gas  
 RT Natural gas wells  
 RT Production testing  
 RT Well testing

**Gas saturation**

BT1 Saturation  
 RT Oil saturation  
 RT Reservoir rocks  
 RT Water saturation

**Gas turbine power generation**

BT1 Power generation  
 RT Binary cycle power systems  
 RT Binary fluid systems  
 RT Brayton cycles  
 RT Gas turbines

**Gas turbine power plants**

BT1 Thermal power plants  
 BT2 Power plants

**Gas turbines**

- BT1 Turbines
- RT Gas turbine power generation

**Gas wells**

- Use Natural gas wells

**Gaseous**

- See Gaseous wastes
- See Gases

**Gaseous effluents**

- Use Gaseous wastes

**Gaseous wastes**

- BT1 Wastes
- RT Air pollution
- RT Chemical effluents
- RT Gas ejectors
- RT Gases
- RT Odor
- RT Stack disposal
- RT Waste disposal

**Gases**

- BT1 Fluids
- NT1 Air
- NT1 Dissolved gases
- NT1 Fuel gas
- NT1 Noncondensable gases
- NT1 Vapors
- RT Gas analysis
- RT Gas condensates
- RT Gaseous wastes
- Also see Dissolved solids
- Also see Rare gases

**Gases in solution**

- Use Dissolved gases

**Geanticlines**

- BT1 Anticlines
- BT2 Folds
- RT Geosynclines
- RT Structural geology

**Generation**

- See Binary cycle power systems
- See Brayton cycle
- See Combined cycle power generation
- See Gas turbine power generation
- See Geothermal energy conversion
- See Power generation
- See Steam turbine power generation
- See Thermodynamic cycles

**Generators**

- Also see Heat exchangers
- Also see Heat transfer
- Also see Power generation
- Also see Steam
- Also see Vapors
- Use Steam generators
- Use Vapor generators

**Genesis**

- Use Origin

**Geo**

- See Geothermal brines

**Geo brines**

- Use Geothermal brines

**Geochemical**

- See Geochemical surveys

**Geochemical surveys**

- BT1 Exploration methods
- RT Marine surveys

**Geochemistry**

- BT1 Geology
- BT1 Chemistry
- RT Geologic control
- RT Geothermometers
- RT Geothermometry

**Geochronology**

- BT1 Geology
- RT Geologic times
- RT Micropaleontology
- RT Paleontology

**Geographical**

- See Geographical distribution
- See Geography

**Geographical distribution**

BT1 Distribution  
RT Geography

**Geography**

RT Areal geology  
RT Earth planet  
RT Geographical distribution  
RT Oceanography  
RT Topography

**Geohydrology**

Use Hydrogeology

**Geoisotherm**

Use Isotherm

**Geologic**

See Compaction  
See Depositional environment  
See Engineering geology  
See Faults  
See Fissures  
See Geochronology  
See Geologic control  
See Geologic cross sections  
See Geologic deposits  
See Geologic processes  
See Geologic provinces  
See Geologic structures  
See Geologic times  
See Geothermometers  
See Geothermometry  
See Sediment deposits  
See Strata  
See Traps

**Geologic age determination**

Use Geochronology

**Geologic ages**

Use Geologic times

**Geologic compaction**

Use Compaction

**Geologic control**

BT1 Control  
RT Geochemistry  
RT Geology

**Geologic cross sections**

RT Geologic structures

**Geologic deposits**

NT1 Alluvium  
NT1 Natural gas deposits  
NT1 Petroleum deposits  
NT1 Salt deposits  
RT Availability  
RT Deposition  
RT Mineral resources  
RT Sediment deposits  
RT Sediments

**Geologic engineering**

Use Engineering geology

**Geologic environment**

Use Depositional environment

**Geologic faults**

Use Faults

**Geologic fissures**

Use Fissures

**Geologic models**

RT Geologic structures

**Geologic processes**

NT1 Diastrophism  
NT1 Metamorphism  
NT1 Sedimentation  
NT1 Volcanism

**Geologic provinces**

NT1 Anadarko Basin  
NT1 Delaware Basin  
NT1 Uinta Basin

**Geologic strata**

Use Strata

**Geologic structures**

- NT1 Basins
- NT1 Fault blocks
- NT1 Fault systems
- NT1 Fault zones
- NT1 Faults
- NT1 Fissures
- NT1 Fold systems
- NT1 Folds
- NT1 Grabens
- NT1 Permeability barriers
- NT1 Rift valleys
- NT1 Strata
- NT1 Traps
- RT Geologic cross sections
- RT Geologic models
- RT Geological setting
- RT Sedimentary structures
- RT Stratigraphy

**Geologic thermometers**

Use Geothermometers

**Geologic times**

- NT1 Cenozoic Era
- NT1 Mesozoic Era
- NT1 Paleozoic Era
- NT1 Precambrian Eras
- RT Geochronology

**Geologic traps**

Use Traps

**Geological**

- See Engineering geology
- See Field studies
- See Geologic deposits
- See Geologic structures
- See Geological surveys
- See Hydrology
- See Minerals
- See Rocks

**Geological engineering**

Use Engineering geology

**Geological setting**

- RT Field studies
- RT Geologic structures
- RT Geological surveys
- RT Hydrology
- RT Minerals
- RT Rocks

**Geological surveys**

- BT1 Exploration methods
- RT Geological setting

**Geology**

- NT1 Areal geology
- NT1 Economic geology
- NT1 Engineering geology
- NT1 Environmental geology
- NT1 Geochemistry
- NT1 Geochronology
- NT1 Geomorphology
- NT1 Hydrogeology
- NT1 Marine geology
- NT1 Petroleum Geology
- NT1 Petrology
- NT1 Sedimentology
- NT1 Tectonics
- RT Earth movements
- RT Field studies
- RT Geologic control
- RT Geophysics
- RT Paleontology
- RT Seismology
- RT Stratigraphy
- Also see Economics
- Also see Engineering geology
- Also see Exploitation
- Also see Geanticlines
- Also see Mineral production
- Also see Structural traps

**Geomorphology**

- BT1 Geology
- RT Marine geology

**Geophysical**

- See Geophysical surveys
- See Well logging

**Geophysical exploration**

- BT1 Exploration
- NT1 Electrical exploration
- NT1 Geothermal exploration
- See Geophysical mapping
- See Geophysical prospecting

## Geophysical surveys

- BT1 Exploration methods
- NT1 Electrical surveys
- NT1 Gravity surveys
- NT1 Infrared surveys
- NT1 Magnetic surveys
- NT1 Radioactivity surveys
- NT1 Radiometric surveys
- NT1 Seismic surveys
- NT1 Spectrometric surveys
- NT1 Thermal exploration methods
- RT Marine surveys
- RT Natural gas deposits
- RT Petroleum deposits
- RT Well logging

## Geophysics

- RT Earth planet
- RT Geology
- RT Paleomagnetism

## Geopressure

- RT Geopressured systems
- RT Paleopressure
- Also see Availability
- Also see Geopressure exploration
- Also see Geopressure gradients
- Also see Geopressure resources
- Also see Geothermal power plants

## Geopressure anomalies

- RT Geopressure systems

## Geopressure exploration

- BT1 Exploration

## Geopressure gradients

- BT1 Pressure gradients

## Geopressure power plants

- RT Geothermal power plants

## Geopressure resources

- BT1 Geothermal resources
- BT2 Resources
- RT Availability

## Geopressured

- See Geopressured reservoirs
- See Geopressured systems
- See Geopressured wells
- See Geopressured zones
- See Reservoir properties

## Geopressured areas

- Use Geopressured zones

## Geopressured fields

- Use Geopressured zones

## Geopressured regions

- Use Geopressured zones

## Geopressured reservoirs

- BT1 Geothermal reservoirs
- BT2 Subsurface reservoirs
- RT Aquifers
- RT Reservoir engineering
- RT Reservoir pressure
- RT Reservoir properties
- RT Reservoir temperature

## Geopressured systems

- BT1 Geothermal systems
- RT Geopressure anomalies
- RT Geopressure
- RT Geopressured zones

## Geopressured wells

- BT1 Geothermal wells
- BT2 Wells
- RT Well spacing
- RT Wellheads

## Geopressured zones

- RT Geopressured systems
- RT Well spacing

## Geostatic

- See Geostatic pressure

## Geostatic pressure

- RT Overburden

## Geosynclines

- BT1 Synclines
- BT2 Folds
- RT Geanticlines
- RT Synclinoria

## Geotectonics

- Use Tectonics

## **Geothermal**

See Cerro Prieto Geothermal Field  
See Coso Hot Springs KGRA  
See Crevice corrosion  
See Direct energy utilization  
See Directional drilling  
See East Mesa KGRA  
See Geothermal brines  
See Geothermal drilling  
See Geothermal energy  
See Geothermal exploration  
See Geothermal fields  
See Geothermal fluids  
See Geothermal gradients  
See Geothermal gradient surveys  
See Geothermal heating  
See Geothermal industry  
See Geothermal power plants  
See Geothermal reservoirs  
See Geothermal resources  
See Geothermal space heating  
See Geothermal systems  
See Geothermal wells  
See Geothermal energy conversion  
See Geysers Geothermal Field  
See Heat flow  
See Hot water systems  
See Hydrothermal systems  
See Klamath Falls KGRA  
See KGRAs  
See Larderello Geothermal Field  
See Marysville KGRA  
See Mono-long Valley KGRA  
See Natural steam  
See Raft River KGRA  
See Reserves  
See Reservoir engineering  
See Reservoir pressure  
See Reservoir properties  
See Reservoir temperature  
See Rock mechanics  
See Telluric surveys  
See Thermal effluents  
See Thermal waters  
See Valles Caldera Geothermal Field  
See Vapor dominated systems  
See Wairakei Geothermal Field  
See Well drilling

## **Geothermal areas**

Use Geothermal fields

## **Geothermal brines**

BT1 Brines  
BT2 Solutions  
RT Geothermal fluids  
RT Injectability injectivity  
RT Thermal effluents  
RT Thermal waters

## **Geothermal drilling**

BT1 Well drilling  
BT2 Drilling

## **Geothermal energy**

BT1 Energy  
RT Geothermal industry  
RT KGRAs

## **Geothermal energy conversion**

BT1 Energy conversion  
BT2 Conversion  
RT Binary fluid systems  
RT Flashed steam systems  
RT Geothermal power plants  
RT Power generation  
RT Total flow systems

## **Geothermal exploration**

BT1 Exploration  
BT1 Geophysical exploration  
RT Geothermal gradient surveys  
RT Telluric surveys  
RT Well logging equipment



**Geothermal fields**

NT1 Cerro Prieto Geothermal Field  
 NT1 Chocolate Bayou Geothermal Field  
 NT1 Geysers Geothermal Field  
 NT1 Larderello Geothermal Field  
 NT1 McAllen Ranch Geothermal Field  
 NT1 Tigre Lagoon Geothermal Field  
 NT1 Valles Caldera Geothermal Field  
 NT1 Wairakei Geothermal Field  
 RT Coso Hot Springs KGRA  
 RT East Mesa KGRA  
 RT Geothermal systems  
 RT Imperial Valley  
 RT Jemez Mountains  
 RT Klamath Falls KGRA  
 RT KGRAs  
 RT Marysville KGRA  
 RT Mono-long Valley KGRA  
 RT Raft River KGRA  
 RT Well spacing

**Geothermal fluids**

BT1 Fluids  
 NT1 Natural steam  
 RT Brines  
 RT Crevice corrosion  
 RT Fluid withdrawal  
 RT Geothermal brines  
 RT Hydrothermal systems  
 RT Thermal effluents  
 RT Thermal waters

**Geothermal flux**

Use Heat flow

**Geothermal gradients**

BT1 Temperature gradients  
 RT Heat flow

**Geothermal heat flow**

Use Heat flow

**Geothermal heating**

BT1 Heating  
 NT1 Geothermal space heating  
 RT Steam heating

**Geothermal industry**

BT1 Industry  
 RT Geothermal energy

**Geothermal power plants**

BT1 Thermal power plants  
 BT2 Power plants  
 RT Geopressure power plants  
 RT Geothermal energy conversion

**Geothermal refrigeration**

RT Direct energy utilization  
 RT Geothermal space heating

**Geothermal regions**

Use Geothermal fields

**Geothermal reservoirs**

BT1 Subsurface reservoirs  
 NT1 Geopressured reservoirs  
 RT Aquifers  
 RT Reservoir engineering  
 RT Reservoir pressure  
 RT Reservoir properties  
 RT Reservoir temperature

**Geothermal resources**

BT1 Resources  
 NT1 Geopressure resources  
 RT Availability  
 RT Natural steam  
 RT Reserves  
 RT Resource depletion  
 RT Rock mechanics  
 Also see KGRAs

**Geothermal space heating**

BT1 Space heating  
 BT2 Heating  
 BT1 Geothermal heating  
 BT2 Heating  
 RT Direct energy utilization  
 RT Geothermal refrigeration

**Geothermal steam**

Use Natural steam

**Geothermal systems**

NT1 Geopressured systems  
 NT1 Hot dry rock systems  
 NT1 Hydrothermal systems  
 NT1 Magma systems  
 RT Geothermal fields

**Geothermal wells**

- BT1 Wells
- NT1 Geopressured wells
- RT Directional drilling
- RT Injection wells
- RT Well drilling
- RT Well spacing
- RT Wellheads

**Geothermometers**

- RT Geochemistry
- RT Geothermometry
- RT Measuring instruments
- RT Temperature measurement
- RT Thermometers

**Geothermometry**

- BT1 Measuring methods
- RT Geochemistry
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- See German Democratic Republic
- See German Federal Republic

**German Democratic Republic**

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**German Federal Republic**

- BT1 Europe
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- Use German Democratic Republic
- Use German Federal Republic

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- BT1 Hot springs
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- BT1 Geothermal fields
- BT1 California
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- RT Vapor dominated systems

**Gibbsite**

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**Global aspects**

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- See Government policies
- See Local government
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**Government**

- See Regulations

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**Grande**

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**Granite**

BT1 Intrusive rocks  
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**Granites**

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**Granodiorite**

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 BT2 Igneous rocks

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**Graphic methods****Graphics**

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 NT1 Production decline curve  
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**Gravel packing**

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**Gravimetry**

BT1 Measuring methods  
 RT Gravitation  
 RT Gravity surveys

**Gravitation**

RT Gravimetry  
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 RT Gravity surveys

**Gravitation fields**

RT Gravitation

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**Gravitational water**

Use Free water

**Gravity**

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**Gravity faults**

Use Normal faults

**Gravity logging**

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**Gravity surveys**

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**Greene County**

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- See Artesian water
- See Compaction
- See Consolidation
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- See Ground motion
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- See Ground water
- See Ground water recharge
- See Overdraft
- See Seismic events
- See Underground disposal
- See Water
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- See Water table

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**Ground motion**

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- RT Compaction
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- RT Liquid wastes
- RT Overdraft
- RT Water
- RT Water management
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- RT Water table

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**Ground water level**

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**Ground water recharge**

- NT1 Artificial recharge
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- RT Aquifers
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**Ground water reservoirs**

- Use Aquifers

**Ground water withdrawal**

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**Growth faults**

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**Guides**

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**Gulf of Mexico**

BT1 Caribbean Sea  
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**Gulf Coast**

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NT1 Florida  
NT1 Louisiana  
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RT Florida  
RT Gulf of Mexico  
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**Gulf Coast Basin**

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**Gulf Coastal plain**

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**Gypsum**

BT1 Sulfate minerals  
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**Halide**

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See Halides

**Halide minerals**

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NT1 Fluorite  
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**Halides**

NT1 Bromides  
NT1 Chlorides  
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**Halite**

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BT2 Minerals  
RT Salts  
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**Halogens**

BT1 Nonmetals  
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NT1 Astatine  
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**Halokinesis**

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**Handling (wastes)**

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**Harris County**

BT1 Texas  
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**Harris Fairway**

BT1 Texas  
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BT1 Islands  
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- NT1 Fire hazards
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- RT Failures
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## **Head**

- See Hydrostatic pressure
- See Pressure buildup
- See Pressure decline
- See Well head pressure
- See Well head temperature
- See Wells

## **Head buildup**

- Use Pressure buildup

## **Head drawdown**

- Use Pressure decline

## **Heads**

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- See Human populations
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## **Health hazards**

- BT1 Hazards
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## **Hearings**

- RT Arbitration
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- Also see Energy balance
- Also see Enthalpy
- Also see Exploitation
- Also see Formation heat
- Also see Heat budget
- Also see Heat exchangers
- Also see Heat extraction
- Also see Heat flow
- Also see Heat flow surveys
- Also see Heat sources
- Also see Heat storage
- Also see Heat transfer
- Also see Heating
- Also see Industrial heating
- Also see Lakes
- Also see Reaction heat
- Also see Specific heat
- Also see Steam condensers
- Also see Temperature effects
- Also see Thermal conduction
- Also see Thermal conductivity
- Also see Thermal equilibrium
- Also see Thermal insulation
- Also see Two phase flow
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## **Heat balance**

- RT Energy balance

## **Heat budget**

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- RT Limnology
- RT Specific heat

## **Heat capacity**

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### Heat extraction

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- RT Heating

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### Heat flow surveys

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- Use Thermal insulation

### Heat of formation

- Use Formation heat

### Heat sources

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### Heat storage

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### Heat transfer

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- RT Thermal equilibrium
- RT Thermal insulation
- RT Two phase flow

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### Heated effluents

- Use Thermal effluents

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- BT1 Rare gases
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**High concentration**

RT Concentration dependence

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RT Flow rate

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NT1 Hydrogen sulfides

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**Hydrostatic head**

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**Hydrostatic pressure**

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- See Geothermal reservoirs
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**Hydrothermal convective systems**

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- RT Hydrothermal systems
- RT Magma
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- BT1 Geothermal systems
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**Hydroxide**

- See Ph value

**Hydroxide ion concentration**

- Use Ph value

**Hygroscopic**

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**Iberia Parish**

- BT1 Louisiana
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**Idaho**

- BT1 USA
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- NT1 Raft River KGRA
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- See Igneous rocks
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**Igneous intrusions**

- NT1 Batholiths
- NT1 Concordant intrusions
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**Igneous rocks**

- BT1 Rocks
- NT1 Aphanitic rocks
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- BT1 Iron oxides
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**Induction logging**

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- See Industrial buildings
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**Industrial buildings**

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## Information retrieval

- RT Information needs
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## Injectivity

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**Intrusive rocks**

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BT1 Iodine inorganic  
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**Iodine**

BT1 Halogens  
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**Iodine inorganic compounds**

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**Ion exchange**

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**Iron oxides**

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**Isoporosity**

- See Isoporosity maps

**Isoporosity maps**

- BT1 Maps
- BT2 Document types
- RT Porosity

**Isopressure**

- See Isopressure maps

**Isopressure maps**

- BT1 Maps
- BT2 Document types

**Isosaline**

- See Isosaline maps

**Isosaline maps**

- BT1 Maps
- BT2 Document types

**Isostasy**

- RT Earth crust

**Isotherm**

- RT Isothermal maps
- RT Temperature distribution
- RT Temperature gradients
- RT Temperature measurement

**Isothermal**

- See Isothermal maps

**Isothermal maps**

- BT1 Maps
- BT2 Document types
- RT Isotherm

**Isotropy**

- RT Anisotropy
- RT Distribution

**Italy**

- BT1 Europe
- BT2 Continents
- NT1 Larderello Geothermal Field



**Japan**

- BT1 Asia
- BT2 Continents
- NT1 Nagaoka Plain

**Jeff**

- See Jeff Davis County

**Jeff Davis**

- See Jeff Davis County

**Jeff Davis County**

- BT1 Texas
- BT2 Gulf Coast

**Jefferson**

- See Jefferson Davis Parish

**Jefferson Davis**

- See Jefferson Davis Parish

**Jefferson Davis Parish**

- BT1 Louisiana
- BT2 Gulf Coast

**Jemez**

- See Geothermal fields
- See Jemez Mountains

**Jemez Mountains**

- BT1 Mountains
- BT1 New Mexico
- BT2 USA
- BT3 North America
- RT Geothermal fields

**Jets**

- RT Boreholes
- RT Fluid flow
- RT Nozzles
- RT Water

**Joaquin**

- See San Joaquin Valley

**Jurassic**

- See Jurassic Period

**Jurassic Period**

- BT1 Mesozoic Era
- BT2 Geologic times
- RT Franciscan Formation

**Juvenile**

- See Juvenile water

**Juvenile water**

- BT1 Subsurface waters

**Kaolin**

- BT1 Clay minerals
- BT2 Silicate minerals
- NT1 Dickite
- NT1 Kaolinite

**Kaolinite**

- BT1 Kaolin
- BT2 Clay minerals

**Kenedy**

- See Kenedy County

**Kenedy County**

- BT1 Texas
- BT2 Gulf Coast

**Kenedy Fairway**

- BT1 Texas
- BT2 USA
- BT3 North America

**Kerogen**

- RT Oil shale

**Kettleman**

- See Kettleman Hills

**Kettleman Hills**

- BT1 California
- BT2 USA
- BT3 North America

**Kg/sq**

- See Elevated pressure
- See High pressure
- See Low pressure
- See Moderate pressure
- See Standard pressure

**Kicks**

- RT Blowouts

**Kinetic**

- See Kinetic energy

**Kinetic energy**

- BT1 Energy
- RT Energy recovery
- RT Potential energy
- RT Velocity

**Klamath**

See Klamath Falls KGRA  
See Klamath Falls KGRA

**Klamath Falls**

See Klamath Falls KGRA

**Klamath Falls KGRA**

BT1 KGRAs  
BT1 Oregon  
BT2 Gulf Coast  
RT Geothermal fields

**Kleberg**

See Kleberg County

**Kleberg County**

BT1 Texas  
BT2 Gulf Coast

**Known**

See KGRAs

**Known geothermal resource areas**

Use KGRAs

**Krypton**

BT1 Rare gases  
BT2 Nonmetals

**KGRA**

See Coso Hot Springs KGRA  
See East Mesa KGRA  
See Klamath Falls KGRA  
See Marysville KGRA  
See Mono-long Valley KGRA  
See Raft River KGRA

**KGRAs**

NT1 Coso Hot Springs KGRA  
NT1 East Mesa KGRA  
NT1 Klamath Falls KGRA  
NT1 Marysville KGRA  
NT1 Mono-long Valley KGRA  
NT1 Raft River KGRA  
RT Geothermal energy  
RT Geothermal fields  
RT Leasing  
RT Legal aspects  
RT Public lands

**Laboratory**

See Experimental results  
See Field studies  
See Laboratory equipment  
See LASL  
See Testing

**Laboratory equipment**

BT1 Equipment

**Laboratory studies**

RT Experimental results  
RT Field studies

**Laboratory testing**

RT Testing

**Lafayette**

See Lafayette Parish

**Lafayette Parish**

BT1 Louisiana  
BT2 Gulf Coast

**Lagrange**

See Lagrange equations

**Lagrange equations**

BT1 Differential equations  
BT2 Equations  
RT Mechanics

**Lakes**

BT1 Surface waters  
NT1 Caspian Sea  
NT1 Salton Sea  
RT Cooling ponds  
RT Fresh water  
RT Heat budget  
RT Hydrology  
RT Limnology  
RT Shores  
RT Water reservoirs

**Land**

See Ground subsidence  
See Land leasing  
See Land pollution  
See Land pollution abatement  
See Land pollution control  
See Land reclamation  
See Land requirements  
See Mineral rights  
See Ownership  
See Public lands  
See Zoning

**Land leasing**

- BT1 Leasing
- RT Land use
- RT Leases
- RT Legal aspects
- RT Mineral rights
- RT Ownership
- RT Public lands
- RT Regulations

**Land ownership**

- Use Ownership

**Land pollution**

- BT1 Pollution
- RT Land pollution abatement
- RT Land pollution control
- RT Land use

**Land pollution abatement**

- BT1 Abatement
- RT Land pollution
- RT Land pollution control
- RT Land reclamation
- RT Land use

**Land pollution control**

- BT1 Pollution control
- BT2 Control
- RT Land pollution
- RT Land pollution abatement
- RT Land reclamation
- RT Land use

**Land reclamation**

- RT Land pollution abatement
- RT Land pollution control
- RT Land use

**Land requirements**

- RT Land use

**Land subsidence**

- Use Ground subsidence

**Land titles**

- Use Ownership

**Land use**

- RT Land leasing
- RT Land pollution
- RT Land pollution abatement
- RT Land pollution control
- RT Land reclamation
- RT Land requirements
- RT Ownership
- RT Public lands
- RT Zoning

**Lands**

- See KGRAs
- See Land leasing
- See Public lands
- See Reserves

**Larderello**

- See Larderello Geothermal Field
- See Vapor dominated systems

**Larderello Geothermal Field**

- BT1 Geothermal fields
- BT1 Italy
- BT2 Europe
- RT Vapor dominated systems

**Lateral**

- See Lateral faults

**Lateral faults**

- BT1 Faults
- BT2 Geologic structures

**Laterolog**

- BT1 Resistivity logging
- BT2 Electrical logging

**Lava**

- RT Magma
- RT Magma systems
- RT Volcanism

**Law**

- See Environmental impact statements
- See Government policies
- See Pollution
- See Pollution law

**Laws**

- NT1 Pollution law
- RT Compliance
- RT Enforcement
- RT Legal aspects
- RT Legislation
- RT Regulations

**Lawsuits**

- RT Arbitration
- RT Courts
- RT Hearings

**LaFourche Parish**

- BT1 Louisiana
- BT2 USA
- BT3 North America

**Leaching**

- BT1 Separation processes
- RT Solubility

**Lead**

- BT1 Metals
- BT2 Elements

**Leading**

- See Leading abstract

**Leading abstract**

- BT1 Abstracts
- BT2 Document types

**Leakage**

- RT Fluid flow
- RT Lost circulation
- RT Permeability
- RT Porosity
- RT Water influx

**Leases**

- RT Land leasing
- RT Leasing
- RT Mineral rights

**Leasing**

- NT1 Fuel leasing
- NT1 Land leasing
- RT Development
- RT Exploitation
- RT KGRAS
- RT Leases
- RT Legal aspects
- Also see Mineral rights
- Also see Ownership

**Lectures**

- BT1 Document types

**Legal**

- See Government policies
- See Inspection
- See Land leasing
- See Laws
- See Leasing
- See Legal aspects
- See Mineral rights
- See Ownership
- See Patents
- See Recommendations

**Legal aspects**

- RT Compliance
- RT Enforcement
- RT Government policies
- RT Inspection
- RT Insurance
- RT KGRAs
- RT Land leasing
- RT Laws
- RT Leasing
- RT Legislation
- RT Liabilities
- RT Licensing
- RT Mineral rights
- RT Ownership
- RT Patents
- RT Recommendations
- RT Regulations
- RT Safeguards
- RT Safety standards
- RT Water rights

**Legislation**

- RT Government policies
- RT Hearings
- RT Implementation
- RT Laws
- RT Legal aspects
- RT Local government
- RT National government
- RT Regulations
- RT State government

**Level**

- See Water table

**Liabilities**

- RT Accidents
- RT Hazards
- RT Insurance
- RT Legal aspects

**Licenses**

Use Licensing

**Licensing**

RT Inspection  
RT Legal aspects  
RT Patents  
RT Recommendations  
RT Regulations  
RT Royalties  
RT Safety standards  
RT Site selection

**Life-cycle cost**

BT1 Cost  
RT Cost benefit analysis  
RT Economics

**Limestone**

BT1 Sedimentary rocks  
BT2 Rocks  
RT Calcite  
RT Carbonate rocks  
RT Clastic rocks  
RT Nonclastic rocks

**Limnology**

RT Aquatic ecosystems  
RT Fresh water  
RT Heat budget  
RT Hydrosphere  
RT Lakes  
RT Oceanography  
RT Surface waters

**Liquid**

See Ground water  
See Hot water systems  
See Liquid flow  
See Liquid wastes  
See Surface waters  
See Waste disposal  
See Water

**Liquid dominated hydrothermal systems**

Use Hot water systems

**Liquid effluents**

Use Liquid wastes

**Liquid flow**

BT1 Fluid flow  
RT Flowmeters  
RT Hydrodynamics  
RT Liquids  
RT Two phase flow

**Liquid waste disposal**

Use Liquid wastes  
Use Waste disposal

**Liquid wastes**

BT1 Wastes  
NT1 Waste water  
RT Brine treatment  
RT Chemical effluents  
RT Ground water  
RT Surface waters  
RT Waste disposal  
RT Waste processing  
RT Water

**Liquids**

BT1 Fluids  
RT Liquid flow  
RT Saturated vapor  
RT Vapors

**Literature**

See Reviews

**Literature reviews**

Use Reviews

**Lithification**

RT Burial  
RT Diagenesis  
RT Rocks  
RT Sedimentary rocks  
RT Sedimentology  
RT Sediments

**Lithium**

BT1 Alkali metals  
BT2 Metals

**Lithology**

RT Petrology  
RT Sedimentary rocks

**Lithosphere**

RT Earth crust  
RT Earth planet  
RT Earth planetary structure

**Lithostatic**

See Geostatic pressure

**Lithostatic pressure**

Use Geostatic pressure

**Lithotope**

Use Depositional environment

**Live Oak County**

- BT1 Texas
- BT2 USA
- BT3 Louisiana

**Live Oak Fairway**

- BT1 Texas
- BT2 USA
- BT3 North America

**Livestock**

- Use Domestic animals

**Local**

- See Government policies
- See Local government
- See National government
- See Regulations
- See State government

**Local government**

- RT Government policies
- RT Legislation
- RT National government
- RT Regulations
- RT State government

**Location**

- See Exploration

**Logging**

- See Acoustic monitoring
- See Caliper logging
- See Cement bond logging
- See Dipmeter logging
- See Electrical logging
- See Gamma ray logging
- See Gamma spectroscopy
- See Gravity logging
- See Hole diameter
- See Induction logging
- See Magnetic logging
- See Microresistivity logging
- See Neutron logging
- See Nuclear magnetic logging
- See Production logging
- See Radioactivity logging
- See Reservoir temperature
- See Resistivity logging
- See Seismic detection
- See Sonic logging
- See Sound velocity
- See Sound waves
- See Sp logging
- See Temperature logging
- See Temperature surveys
- See Well characteristics
- See Well drilling
- See Well logging
- See Wells

**Logging (well)**

- Use Well logging

**Logs**

- See Well logging

**Long**

- See Mono-long Valley KGRA

**Long Valley**

- Use Mono-long Valley KGRA

**Los**

- See LASL

**Los Alamos**

- See LASL

**Los Alamos Scientific  
Laboratory**

- Use LASL

**Lost**

See Lost circulation  
 See Lost Hills  
 See Permeability  
 See Porosity  
 See Wells

**Lost circulation**

RT Leakage  
 RT Permeability  
 RT Porosity  
 RT Wells

**Lost Hills**

BT1 California  
 BT2 USA  
 BT3 North America

**Louisiana**

BT1 Gulf Coast  
 BT2 North America  
 NT1 Acadia Parish  
 NT1 Calcasieu Parish  
 NT1 Cameron Parish  
 NT1 Edna Delcambre No. 1 Well  
 NT1 Eugene Eugene Island Block 18 Field  
 NT1 Fairfax Foster Sutter No. 2 Well  
 NT1 Iberia Parish  
 NT1 Jefferson Davis Parish  
 NT1 Lafayette Parish  
 NT1 Lafourche Parish  
 NT1 St Mary Parish  
 NT1 Tenneco Fee "N" No. 1 Well  
 NT1 Terrebonne Parish  
 NT1 Tigre Lagoon Geothermal Field  
 NT1 Vermilion Parish  
 NT1 Vermillion Parish  
 RT Frio Formation  
 RT Gulf Coast  
 RT Norphlet Formation  
 RT Queen City Formation  
 RT Smackover Formation  
 RT Vicksburg Formation  
 RT Wilcox Formation

**Low**

See Low concentration  
 See Low pressure  
 See Low temperature  
 See Trace amounts

**Low concentration**

RT Concentration dependence  
 RT Infinite dilution  
 RT Trace amounts

**Low pressure**

RT Pressure dependence

**Low temperature**

RT Temperature dependence

**Lubricants**

RT Drilling fluids

**Lumps**

See Mud lumps

**LASL**

BT1 US organizations  
 BT2 National organizations

**Magma**

BT1 Igneous rocks  
 BT2 Rocks  
 RT Hydrothermal stage  
 RT Lava  
 RT Magma reservoirs  
 RT Magma systems  
 Also see Magma reservoirs  
 Also see Magma systems  
 Also see Volcanism

**Magma reservoirs**

BT1 Subsurface reservoirs  
 RT Magma  
 RT Magma systems  
 RT Volcanism

**Magma systems**

BT1 Geothermal systems  
 RT Lava  
 RT Magma  
 RT Magma reservoirs

**Magmatic**

See Juvenile water

**Magmatic water**

Use Juvenile water

**Magnesium**

- BT1 Alkaline earth metals
- BT2 Metals
- Also see Dolomite
- Also see Magnesium carbonates
- Also see Magnesium chlorides
- Also see Magnesium sulfates

**Magnesium carbonates**

- BT1 Magnesium inorganic compounds
- RT Dolomite

**Magnesium chlorides**

- BT1 Magnesium inorganic compounds
- BT1 Chlorides
- BT2 Chlorine inorganic compounds

**Magnesium inorganic compounds**

- RT Magnesium carbonates
- RT Magnesium chlorides
- RT Magnesium sulfates

**Magnesium sulfates**

- BT1 Magnesium inorganic compounds
- BT1 Sulfates
- BT2 Oxygen inorganic compounds

**Magnetic**

- See Induction logging
- See Magnetic logging
- See Magnetic surveys
- See Nuclear magnetic logging
- See Nuclear magnetic resonance

**Magnetic induction logging**

- Use Induction logging

**Magnetic logging**

- BT1 Well logging

**Magnetic surveys**

- BT1 Geophysical surveys
- BT2 Exploration methods
- RT Induction logging

**Magnetotelluric**

- See Magnetotelluric surveys

**Magnetotelluric surveys**

- BT1 Electromagnetic surveys
- BT2 Electrical surveys

**Maintenance**

- RT Operation

**Management**

- NT1 Waste management
- NT1 Water management
- RT Allocations
- RT Forecasting
- RT Institutional aspects
- RT Ownership
- RT Personnel
- RT Public relations
- Also see Radioactive wastes
- Also see Recovery processes
- Also see Wastes

**Manganese**

- BT1 Transition elements
- BT2 Metals

**Manometers**

- Use Pressure gages

**Mantle**

- Also see Earth crust
- Use Earth mantle

**Mantlerock**

- Use Overburden

**Manuals**

- BT1 Document types
- RT Education
- RT Recommendations

**Mapping**

- See Exploration methods
- See Maps
- See Topography



## Maps

- BT1 Document types
- NT1 Contour maps
- NT1 Isoporosity maps
- NT1 Isopressure maps
- NT1 Isosaline maps
- NT1 Isothermal maps
- NT1 Stratigraphic maps
- RT Diagrams
- RT Topography
- RT Topological mapping
- Also see Facies maps
- Also see Isochore maps
- Also see Isopach maps
- Also see Net sand maps
- Also see Sand percent maps
- Also see Sand trend maps
- Also see Trend maps

## Marble

- BT1 Metamorphic rocks
- BT2 Rocks
- RT Calcite
- RT Dolomite

## Mariculture

- Use Aquaculture

## Marine

- See Geochemical surveys
- See Geophysical surveys
- See Marine geology
- See Marine surveys
- See Sea water

## Marine exploration

- Use Marine surveys

## Marine geology

- BT1 Geology
- RT Continental shelf
- RT Continental slopes
- RT Engineering geology
- RT Geomorphology
- RT Hydrogeology
- RT Oceanography
- RT Sea bed
- RT Seas

## Marine surveys

- RT Geochemical surveys
- RT Geophysical surveys

## Marine water

- Use Sea water

## Market

- RT Commercialization
- RT Economics
- RT Forecasting
- RT Trade

## Mary

- See St Mary Parish

## Marysville

- See Marysville KGRA

## Marysville KGRA

- BT1 KGRAs
- BT1 Montana
- BT2 USA
- BT3 North America
- RT Geothermal fields

## Mass

- See Convection
- See Electrodialysis
- See Energy transfer
- See Fluid flow
- See Mass transfer

## Mass transfer

- RT Convection
- RT Diffusion
- RT Electrodialysis
- RT Energy transfer
- RT Fluid flow
- RT Osmosis

## Matagorda

- See Matagorda County

## Matagorda County

- BT1 Texas
- BT2 Gulf Coast

## Matagorda Fairway

- BT1 Texas
- BT2 USA
- BT3 North America

## Materials

- See Corrosion
- See Inspection
- See Materials recovery
- See Materials testing
- See Mechanical properties
- See Organic matter
- See Stresses

**Materials recovery**

- BT1 Waste processing
- BT2 Processing
- BT2 Waste management
- RT Energy recovery

**Materials testing**

- BT1 Testing
- RT Corrosion
- RT Inspection
- RT Mechanical properties
- RT Performance testing
- RT Stresses

**Mathematical**

- See Comparative evaluations
- See Computer codes
- See Empirical equations
- See Equations
- See Mathematical methods
- See Mathematical models
- See Mathematics
- See Measurement
- See Measuring methods
- See Simulation

**Mathematical methods**

- RT Calculation methods
- RT Measurement
- RT Measuring methods
- RT Numerical analysis

**Mathematical models**

- BT1 Models
- NT1 Flow models
- NT1 Statistical models
- RT Comparative evaluations
- RT Computer codes
- RT Correlation
- RT Empirical equations
- RT Equations
- RT Mathematics
- RT Numerical solution
- RT Simulation
- RT Structural models

**Mathematics**

- NT1 Numerical analysis
- NT1 Trend analysis
- RT Algorithms
- RT Differential equations
- RT Equations
- RT Mathematical models
- RT Numerical solution
- RT Statistical models

**Matrix**

- See Rock matrix

**Matrix (rock)**

- Use Rock matrix

**Matter**

- See Organic compounds
- See Organic matter
- See Solid wastes

**Maturation**

- RT Petroleum
- See Thermal alteration

**McAllen Ranch Geothermal Field**

- BT1 Geothermal fields
- BT1 Texas
- BT2 USA
- BT3 North America

**Measurement**

- NT1 Pressure measurement
- NT1 Temperature measurement
- RT Calculation methods
- RT Mathematical methods
- RT Measuring methods
- Also see Bottom hole pressure
- Also see Geothermometers
- Also see Geothermometry
- Also see Isopiestic measurement
- Also see Measuring instruments
- Also see Physical properties
- Also see Pressure control
- Also see Pressure gages
- Also see Temperature control
- Also see Temperature logging
- Also see Temperature monitoring

**Measuring**

- See Equipment
- See Measurement
- See Measuring instruments
- See Measuring methods
- See Sampling
- See Well logging

**Measuring instruments**

NT1 Flowmeters  
 NT1 Piezometers  
 NT1 Pressure gages  
 NT1 Seismographs  
 NT1 Thermometers  
 RT Calibration  
 RT Equipment  
 RT Geothermometers  
 RT Measuring methods  
 RT Pressure measurement  
 RT Recording systems  
 RT Sensitivity  
 RT Temperature measurement  
 RT Well logging

**Measuring methods**

NT1 Absorption spectroscopy  
 NT1 Chemical analysis  
     methods  
 NT1 Emission spectroscopy  
 NT1 Gamma spectroscopy  
 NT1 Geothermometry  
 NT1 Gravimetry  
 NT1 Isopiestic measurement  
 NT1 Nuclear magnetic  
     resonance  
 NT1 Piezometry  
 RT Calculation methods  
 RT Calibration  
 RT Mathematical methods  
 RT Measurement  
 RT Measuring instruments  
 RT Qualitative chemical  
     analysis  
 RT Quantitative chemical  
     analysis  
 RT Sampling  
 RT Sensitivity

**Mechanical**

See Mechanical properties  
 See Rheology  
 See Stresses

**Mechanical properties**

NT1 Brittleness  
 NT1 Compressibility  
 NT1 Creep  
 NT1 Fatigue  
 NT1 Fracture properties  
 NT1 Plasticity  
 NT1 Shear properties  
 NT1 Tensile properties  
 RT Deformation  
 RT Materials testing  
 RT Rheology  
 RT Rock properties  
 RT Shear stress  
 RT Soil mechanics  
 RT Stresses

**Mechanics**

RT Lagrange equations  
 Also see Consolidation  
 Also see Field studies  
 Also see Fluid flow  
 Also see Fluid mechanics  
 Also see Ground subsidence  
 Also see Mechanical  
     properties  
 Also see Reservoir  
     engineering  
 Also see Rock failures  
 Also see Rock mechanics  
 Also see Rock properties  
 Also see Rocks  
 Also see Sea bed  
 Also see Slope stability  
 Also see Soils

**Media**

See Porosity  
 See Semipermeable membranes

**Meetings**

RT Document types  
 RT Hearings  
 RT Proceedings

**Melting**

BT1 Phase transformations  
 Also see Melting point

**Melting point**

BT1 Transition temperature  
 BT2 Thermodynamic  
     properties

**Membranes**

Use Semipermeable membranes

**Mercury**

- BT1 Metals
- BT2 Elements

**Mesa**

- See East Mesa KGRA

**Mesozoic**

- See Mesozoic Era

**Mesozoic Era**

- BT1 Geologic times
- NT1 Cretaceous Period
- NT1 Jurassic Period
- NT1 Triassic Period
- RT Franciscan Formation

**Metals**

- BT1 Elements
- NT1 Actinides
- NT1 Alkali metals
- NT1 Alkaline earth metals
- NT1 Aluminum
- NT1 Antimony
- NT1 Bismuth
- NT1 Cadmium
- NT1 Gallium
- NT1 Germanium
- NT1 Indium
- NT1 Lead
- NT1 Mercury
- NT1 Polonium
- NT1 Rare earths
- NT1 Thallium
- NT1 Tin
- NT1 Transition elements
- NT1 Zinc

**Metamorphic**

- See Metamorphic rocks
- See Petrology

**Metamorphic rocks**

- BT1 Rocks
- NT1 Amphibolite
- NT1 Marble
- NT1 Schist
- NT1 Slate
- RT Petrology

**Metamorphism**

- BT1 Geologic processes
- RT Burial

**Meteoritic**

- See Atmospheric precipitations
- See Meteoric water

**Meteoric water**

- BT1 Ground water
- BT2 Subsurface waters
- RT Atmospheric precipitations

**Meteorology**

- NT1 Atmospheric precipitations
- RT Climates
- RT Earth atmosphere
- RT Seasons
- RT Site selection
- RT Storms
- RT Temperature inversions
- RT Weather
- RT Wind

**Methane**

- BT1 Alkanes
- BT2 Hydrocarbons
- RT Dissolved gases

**Method**

- See Resistivity surveys

**Methods**

- See Chemical analysis methods
- See Exploration
- See Exploration methods
- See Graphic methods
- See Mathematical methods
- See Measurement
- See Measuring methods
- See Numerical solution
- See Sampling
- See Thermal exploration methods

**Methylene**

- See Methylene blue

**Methylene blue**

- BT1 Organic compounds

**Methylpropane**

- See 2-methylpropane

**Mexico**

- BT1 North America
- BT2 Continents
- NT1 Cerro Prieto Geothermal Field
- NT1 Tabasco
- Also see Gulf Coast
- Also see Gulf of Mexico
- Also see New Mexico

**Micas**

- BT1 Silicate minerals
- BT2 Minerals
- NT1 Biotite
- NT1 Muscovite
- NT1 Sericite

**Microcline**

- BT1 Feldspars
- BT2 Silicate minerals

**Microearthquakes**

- BT1 Earthquakes
- BT2 Seismic events
- BT2 Earth movements

**Microlaterologging**

- Use Microresistivity logging

**Micrologging**

- Use Microresistivity logging

**Microorganisms**

- NT1 Bacteria
- NT1 Protozoa
- RT Biology

**Micropaleontology**

- RT Geochronology
- Use Paleontology

**Microresistivity**

- See Microresistivity logging

**Microresistivity logging**

- BT1 Resistivity logging
- BT2 Electrical logging

**Microseismicity**

- Use Microseisms

**Microseisms**

- BT1 Seismic waves
- RT Seismic noise
- RT Seismology

**Middle**

- See Middle East

**Middle East**

- NT1 Turkey

**Migration****Military facilities**

- RT Federal buildings

**Mineral**

- See Dolomite
- See Engineering geology
- See Geologic deposits
- See Hot springs
- See Mineral composition
- See Mineral exploration
- See Mineral production
- See Mineral resources
- See Mineral rights
- See Mineral springs
- See Mineral wastes
- See Minerals
- See Ownership
- See Recovery processes
- See Thermal springs

**Mineral composition**

- BT1 Composition

**Mineral deposits****Mineral exploration**

- BT1 Exploration

**Mineral production**

- BT1 Production
- RT Economic geology

**Mineral recovery**

- RT Minerals
- RT Recovery processes

**Mineral resources**

- BT1 Resources
- RT Engineering geology
- RT Geologic deposits
- RT Mineral rights
- RT Ownership

**Mineral rights**

- BT1 Ownership
- RT Land leasing
- RT Leases
- RT Legal aspects
- RT Mineral resources

**Mineral springs**

BT1 Water springs  
RT Hot springs  
RT Thermal springs

**Mineral wastes**

BT1 Solid wastes  
BT2 Wastes  
RT Chemical effluents

**Mineralization**

RT Burial  
RT Crystallization

**Mineralogy**

RT Minerals  
Also see Clay  
Also see Clay mineralogy

**Minerals**

NT1 Carbonate minerals  
NT1 Halide minerals  
NT1 Oxide minerals  
NT1 Silica minerals  
NT1 Silicate minerals  
NT1 Sodium minerals  
NT1 Sulfate minerals  
NT1 Sulfide minerals  
RT Crystallography  
RT Geological setting  
RT Mineral recovery  
RT Mineralogy  
Also see Carbonates  
Also see Chlorite minerals  
Also see Clay  
Also see Clay mineralogy  
Also see Clay minerals  
Also see Halides  
Also see Sulfates  
Also see Sulfides

**Miocene**

See Miocene Epoch

**Miocene Epoch**

BT1 Tertiary Period  
BT2 Cenozoic Era

**Mississippi**

BT1 Gulf Coast  
BT2 North America  
NT1 Greene County  
NT1 Rankin County  
RT Gulf Coast  
RT Smackover Formation  
RT Vicksburg Formation  
RT Wilcox Formation  
Also see Mississippi River

**Mississippi River**

BT1 North America  
BT2 Continents  
BT1 Rivers  
BT2 Streams

**Mississippian**

See Mississippian Period

**Mississippian Period**

BT1 Carboniferous Periods  
BT2 Paleozoic Era

**Mixtures**

RT Solutions

**Mobile**

See Mobile homes

**Mobile homes**

BT1 Buildings  
RT Houses

**Models**

NT1 Functional models  
NT1 Mathematical models  
NT1 Structural models  
Also see Comparative evaluations  
Also see Computer codes  
Also see Empirical equations  
Also see Equations  
Also see Flow models  
Also see Fluid flow  
Also see Geologic structures  
Also see Mathematics  
Also see Simulation  
Also see Statistical models

**Moderate**

See Moderate concentration  
See Moderate pressure  
See Moderate temperature

**Moderate concentration**

RT Concentration dependence

**Moderate pressure**

RT Pressure dependence

**Moderate temperature**

RT Temperature dependence

**Molal**

See Elevated concentration

See High concentration

See Low concentration

See Moderate concentration

**Molybdenum**

BT1 Transition elements

BT2 Metals

**Monitoring**

NT1 Acoustic monitoring

NT1 Air monitoring

NT1 Corrosion monitoring

NT1 Scale monitoring

NT1 Temperature monitoring

NT1 Water monitoring

NT1 Well monitoring

RT Control

RT Detection

RT Remote control

RT Well information systems

Also see Air pollution

Also see Air pollution  
monitors

Also see Corrosion

Also see Corrosive effects

Also see Crevice corrosion

Also see Observation wells

Also see Water pollution

Also see Well information  
systems

**Monitoring wells**

Use Observation wells

**Monitors**

See Air pollution

See Air pollution control

See Air pollution monitors

**Monitors (air pollution)**

Use Air pollution monitors

**Mono**

See Mono-long Valley KGRA

**Mono-long**

See Mono-long Valley KGRA

**Mono-long Valley KGRA**

BT1 KGRAs

BT1 California

BT2 USA

BT3 North America

RT Geothermal fields

**Monoclines**

BT1 Folds

BT2 Geologic structures

**Montana**

BT1 USA

BT2 North America

NT1 Marysville KGRA

RT Yellowstone National Park

**Montgomery Fairway**

BT1 Texas

BT2 USA

BT3 North America

**Montmorillonite**

BT1 Clay minerals

BT2 Silicate minerals

**Mordenite**

BT1 Zeolites

BT2 Silicate minerals

**Morrow**

See Arkansas

See Oklahoma

**Morrow Formation**

RT Arkansas

RT Oklahoma

**Motion**

See Ground motion

See Seismic events

**Mountains**

NT1 Coast ranges

NT1 Jemez Mountains

NT1 Urals

Also see Geothermal fields

Also see Jemez Mountains

**Movements**

See Earth movements

See Geology

See Ground motion

See Seismic waves

See Seismology

**Mud**

See Circulating rate  
See Mud lumps  
See Mud volcanoes

**Mud flow rate**

Use Circulating rate

**Mud logging**

BT1 Well logging  
RT Drilling fluids  
RT Gas analysis

**Mud lumps**

BT1 Shale diapirs  
BT2 Diapirs

**Mud volcanoes**

BT1 Shale diapirs  
BT2 Diapirs

**Mud weight**

BT1 Fluid properties  
BT2 Physical properties  
RT Density  
RT Drilling fluids

**Muds**

Use Drilling fluids

**Mudstone**

BT1 Clastic rocks  
BT2 Sedimentary rocks  
RT Sediment deposits  
RT Shale  
RT Siltstone

**Municipal**

See District heating

**Municipal heating**

Use District heating

**Muscovite**

BT1 Micas  
BT2 Silicate minerals

**Mutation zone**

**MWD systems**

RT Drilling  
RT Well drilling  
RT Well logging  
See Downhole information  
systems  
See Measurements while  
drilling

**Nagaoka**

See Nagaoka Plain

**Nagaoka Plain**

BT1 Japan  
BT2 Asia

**National**

See Government policies  
See National government  
See National organizations  
See Regulations  
See Yellowstone National  
Park

**National government**

RT Government policies  
RT Legislation  
RT Local government  
RT National organizations  
RT Regulations  
RT State government

**National organizations**

NT1 US organizations  
RT National government

**Natural**

See Exploitation  
See Gas production  
See Geophysical surveys  
See Geothermal resources  
See Hydrology  
See Hydrothermal systems  
See Interstitial water  
See Natural gas  
See Natural gas deposits  
See Natural gas fields  
See Natural gas industry  
See Natural gas wells  
See Natural occurrence  
See Natural recharge  
See Natural steam  
See Overdraft  
See Reservoir rocks  
See Resources  
See Salt domes  
See Stratigraphic traps  
See Structural traps  
See Traps  
See Well completion



**Natural gas**

- BT1 Fossil fuels
- BT2 Fuels
- BT1 Fuel gas
- BT2 Fuels
- BT2 Gases
- RT Condensates
- RT Drilling rigs
- RT Gas caps
- RT Gas production
- RT Natural gas deposits
- RT Natural gas fields
- RT Natural gas industry
- RT Natural gas wells
- RT Public utilities
- RT Regulation
- Also see Exploitation
- Also see Geophysical surveys
- Also see Geothermal resources
- Also see Hydrology
- Also see Hydrothermal systems
- Also see Interstitial water
- Also see Natural gas wells
- Also see Natural occurrence
- Also see Natural recharge
- Also see Natural steam
- Also see Overdraft
- Also see Reservoir rocks
- Also see Resources
- Also see Stratigraphic traps
- Also see Structural traps
- Also see Traps
- Also see Well completion

**Natural gas deposits**

- BT1 Geologic deposits
- BT1 Reserves
- NT1 Natural gas fields
- RT Geophysical surveys
- RT Natural gas
- RT Natural gas industry
- RT Petroleum geology
- RT Resources
- RT Salt domes
- RT Stratigraphic traps
- RT Structural traps
- RT Traps
- RT Well logging equipment

**Natural gas fields**

- BT1 Natural gas deposits
- BT2 Reserves
- BT2 Geologic deposits
- RT Natural gas
- RT Natural gas wells
- RT Reservoir fluids
- RT Reservoir rocks
- RT Well spacing

**Natural gas industry**

- BT1 Industry
- RT Exploitation
- RT Natural gas
- RT Natural gas deposits

**Natural gas liquids****Natural gas production**

- Use Gas production

**Natural gas wells**

- BT1 Wells
- RT Abandoned wells
- RT Blowout preventers
- RT Gas production
- RT Interstitial water
- RT Natural gas
- RT Natural gas fields
- RT Wellhead prices
- RT Well completion
- RT Wellheads

**Natural occurrence**

- RT Anthropogenic occurrence

**Natural recharge**

- BT1 Ground water recharge
- RT Hydrology
- RT Overdraft

**Natural resources**

- Use Resources

**Natural steam**

- BT1 Geothermal fluids
- BT2 Fluids
- RT Geothermal resources
- RT Hydrothermal systems

**Needs**

- See Information needs

**Neogene Epoch**

- BT1 Tertiary Period
- BT2 Cenozoic Era
- BT3 Geologic times

**Neon**

- BT1 Rare gases
- BT2 Nonmetals

**Net**

- See Net energy

**Net energy**

- RT Efficiency
- RT Energy accounting
- RT Energy consumption
- RT Energy yield
- RT Productivity

**Net sand maps**

- BT1 Facies maps
- BT2 Stratigraphic maps
- RT Sand percent maps
- RT Sand trend maps

**Net sand thickness**

- Use Formation thickness

**Neutral**

- See Pore pressure

**Neutral pressure**

- Use Pore pressure

**Neutral stress**

- Use Pore pressure

**Neutron**

- See Neutron logging

**Neutron logging**

- BT1 Radioactivity logging
- BT2 Well logging

**Nevada**

- BT1 USA
- BT2 North America

**New Guinea**

- BT1 Australasia
- RT Australia
- RT New Zealand

**New Mexico**

- BT1 USA
- BT2 North America
- NT1 Jemez Mountains
- NT1 Valles Caldera
- Geothermal Field
- RT Rio Grande Rift

**New Zealand**

- BT1 Australasia
- NT1 Wairakei Geothermal
- Field
- RT New Guinea

**Newton/sq**

- See High pressure
- See Low pressure
- See Standard pressure

**Nickel**

- BT1 Transition elements
- BT2 Metals

**Nigeria**

- BT1 Africa
- BT2 Continents

**Nitrogen**

- BT1 Nonmetals
- BT2 Elements

**Nitrogen inorganic compounds**

- RT Ammonia

**Nmr**

- Also see Nuclear magnetic
- logging
- Use Nuclear magnetic
- resonance

**Noble**

- See Rare gases

**Noise**

- RT Noise pollution abatement
- RT Sound waves
- Also see Microseisms
- Also see Noise pollution
- Also see Noise pollution
- control

**Noise pollution**

- BT1 Pollution
- RT Noise pollution abatement
- RT Noise pollution control

**Noise pollution abatement**

- BT1 Abatement
- RT Noise
- RT Noise pollution
- RT Noise pollution control

**Noise pollution control**

- BT1 Pollution control
- BT2 Control
- RT Noise pollution
- RT Noise pollution abatement

**Nonaqueous**

- See Aqueous solutions
- See Nonaqueous solutions

**Nonaqueous solutions**

- BT1 Solutions
- RT Aqueous solutions

**Nonclastic**

- See Nonclastic rocks

**Nonclastic rocks**

- BT1 Sedimentary rocks
- BT2 Rocks
- NT1 Chert
- NT1 Dolomite rocks
- NT1 Evaporites
- RT Limestone

**Noncondensable**

- See Noncondensible gases

**Noncondensable gases**

- Use Noncondensible gases

**Noncondensible**

- See Noncondensible gases

**Noncondensible gases**

- BT1 Gases
- BT2 Fluids

**Nonelectrical**

- See Direct energy utilization

**Nonelectrical applications**

- Use Direct energy utilization

**Nonmetals**

- BT1 Elements
- NT1 Carbon
- NT1 Halogens
- NT1 Hydrogen
- NT1 Nitrogen
- NT1 Oxygen
- NT1 Phosphorus
- NT1 Rare gases
- NT1 Sulfur

**Normal**

- See Normal faults

**Normal faults**

- BT1 Faults
- BT2 Geologic structures

**Norphlet**

- See Louisiana
- See Texas

**Norphlet Formation**

- RT Louisiana
- RT Texas

**North**

- See North America
- See North Sea

**North America**

- BT1 Continents
- NT1 Gulf Coast
- NT1 Mexico
- NT1 Mississippi River
- NT1 Rio Grande Rift
- NT1 USA

**North Sea**

- BT1 Atlantic Ocean
- BT2 Seas

**Nozzles**

- RT Flowmeters
- RT Fluid flow
- RT Jets
- RT Pipe fittings

**Nuclear**

- See Nuclear energy
- See Nuclear explosives
- See Nuclear magnetic logging
- See Nuclear power plants
- See Nuclear magnetic resonance
- See Radioactivity logging
- See Seismic events

**Nuclear energy**

- BT1 Energy
- RT Nuclear power plants

**Nuclear explosions**

- BT1 Explosions
- RT Seismic events

**Nuclear explosives**

- BT1 Explosives

**Nuclear logging**

Use Radioactivity logging

**Nuclear magnetic logging**

BT1 Radioactivity logging

BT2 Well logging

RT Nuclear magnetic  
resonance

**Nuclear magnetic resonance**

BT1 Measuring methods

NT1 Crystallography

RT Nuclear magnetic logging

**Nuclear power**

Use Nuclear energy

**Nuclear power plants**

BT1 Thermal power plants

BT2 Power plants

RT Nuclear energy

**Nueces**

See Nueces County

**Nueces County**

BT1 Texas

BT2 Gulf Coast

**Numerical**

See Empirical equations

See Mathematical methods

See Mathematical models

See Mathematics

See Numerical analysis

See Numerical solution

**Numerical analysis**

BT1 Mathematics

RT Computer calculations

RT Mathematical methods

RT Numerical solution

**Numerical solution**

RT Calculation methods

RT Computer calculations

RT Mathematical models

RT Mathematics

RT Numerical analysis

**Numerical solutions**

RT Empirical equations

**NMR logging**

Use Nuclear magnetic logging

Use Rare gases

**Observation**

See Injection wells

See Observation wells

**Observation wells**

BT1 Wells

RT Aquifer tests

RT Injection wells

RT Well testing

RT Well interference

**Obsidian**

BT1 Pyroclastic rocks

BT2 Extrusive rocks

**Occurrence**

Also see Industry

Also see Natural occurrence

Use Anthropogenic occurrence

**Ocean**

See Atlantic Ocean

See Indian Ocean

See Ocean basins

See Ocean thermal power  
plants

See Ocean thermal energy  
conversion

See Pacific Ocean

See Rift valleys

See Sea bed

See Sea water

See Seas

See Submarine trenches

**Ocean basins**

BT1 Basins

BT2 Geologic structures

**Ocean floor**

Use Sea bed

**Ocean ridges**

RT Rift valleys

**Ocean thermal energy  
conversion**

BT1 Solar energy conversion

BT2 Energy conversion

RT Ocean thermal power  
plants

**Ocean thermal power plants**

BT1 Thermal power plants

BT2 Power plants

RT Ocean thermal energy  
conversion

**Ocean trenches**

Use Submarine trenches

**Ocean water**

Use Sea water

Use Seas

**Oceanic**

See Continental crust

See Oceanic crust

**Oceanic crust**

BT1 Earth crust

BT2 Earth planetary structure

RT Continental crust

RT Continental slopes

RT Sea floor spreading

**Oceanography**

RT Earth planet

RT Geography

RT Limnology

RT Marine geology

RT Seas

RT Surface waters

**Oceans**

Use Seas

**Odor**

RT Air pollution

RT Gaseous wastes

RT Water analysis

**Office**

See Office buildings

**Office buildings**

BT1 Commercial buildings

BT2 Buildings

RT Federal buildings

**Offshore**

See Coastal waters

See Marine surveys

See Offshore sites

See Seas

See Shores

See Site selection

**Offshore sites**

RT Coastal waters

RT Estuaries

RT Seas

RT Shores

RT Site selection

**Offshore surveys**

Use Marine surveys

**Oil**

See Fossil fuels

See Gas saturation

See Oil drilling

See Oil fields

See Oil production

See Oil saturation

See Oil shale

See Oil wells

See Petroleum

See Reservoir rocks

See Well completion

**Oil drilling**

BT1 Well drilling

BT2 Drilling

**Oil fields**

BT1 Petroleum deposits

BT2 Reserves

BT2 Geologic deposits

RT Oil wells

RT Petroleum

RT Reservoir fluids

RT Reservoir rocks

RT Well spacing

**Oil production**

BT1 Production

RT Oil wells

RT Water production

RT Well testing

**Oil saturation**

RT Gas saturation

RT Reservoir rocks

RT Water saturation

**Oil shale**

BT1 Shale

BT2 Clastic rocks

RT Fossil fuels

RT Kerogen

**Oil wells**

- BT1 Wells
- RT Abandoned wells
- RT Blowout preventers
- RT Blowouts
- RT Interstitial water
- RT Oil fields
- RT Oil production
- RT Petroleum
- RT Reentry
- RT Wellhead prices
- RT Well completion
- RT Well spacing
- RT Wellheads

**Oklahoma**

- BT1 USA
- BT2 North America
- RT Anadarko Basin
- RT Morrow Formation

**Oligocene**

- See Oligocene Epoch

**Oligocene Epoch**

- BT1 Tertiary Period
- BT2 Cenozoic Era
- RT Frio Formation

**Opal**

- BT1 Silica minerals
- BT2 Minerals

**Open**

- See Thermodynamic cycles

**Open-cycle systems**

- RT Thermodynamic cycles

**Operation**

- RT Maintenance
- RT Production

**Opinion**

- See Public opinion

**Optical**

- See Optical properties

**Optical properties**

- BT1 Physical properties

**Optimization**

- RT Control
- RT Performance testing
- RT Planning
- RT Profitability

**Ordovician**

- See Ordovician Period

**Ordovician Period**

- BT1 Paleozoic Era
- BT2 Geologic times

**Oregon**

- BT1 USA
- BT2 North America
- NT1 Klamath Falls KGRA
- RT Coast ranges

**Organic**

- See Organic compounds
- See Organic matter
- See Solid wastes

**Organic compounds**

- NT1 Hydrocarbons
- NT1 Methylene blue
- RT Organic matter

**Organic materials**

- Use Organic matter

**Organic matter**

- NT1 Vitrimite
- RT Organic compounds
- RT Solid wastes

**Organisms**

- See Aquatic organisms

**Organizations**

- See National government
- See National organizations
- See US organizations

**Origin**

**Orthoclase**

- BT1 Feldspars
- BT2 Silicate minerals

**Osmosis**

- RT Diffusion
- RT Mass transfer
- RT Osmotic pressure
- RT Permeability
- RT Semipermeable membranes

**Osmotic**

- See Osmosis
- See Semipermeable membranes
- See Thermodynamics

**Osmotic pressure**

- RT Osmosis
- RT Semipermeable membranes
- RT Thermodynamics

**Overburden**

- RT Earth mantle
- RT Formation thickness
- RT Geostatic pressure
- RT Rock mechanics
- RT Strata

**Overdraft**

- RT Artificial recharge
- RT Fluid withdrawal
- RT Ground water
- RT Ground water recharge
- RT Natural recharge

**Overpressure**

- Use Geopressure

**Overpressured**

- See Geopressured reservoirs

**Overpressured reservoirs**

- Use Geopressured reservoirs

**Overtuned**

- See Overtuned folds

**Overtuned folds**

- BT1 Folds
- BT2 Geologic structures

**Ownership**

- NT1 Mineral rights
- RT Industry
- RT Investment
- RT Land leasing
- RT Land use
- RT Legal aspects
- RT Management
- RT Mineral resources

**Oxidation**

- BT1 Redox reactions
- BT2 Chemical reactions
- RT Redox potential
- Also see Redox potential

**Oxidation-reduction potential**

- Use Redox potential

**Oxide**

- See Oxide minerals

**Oxide minerals**

- BT1 Minerals
- NT1 Gibbsite
- NT1 Hematite
- RT Oxides

**Oxides**

- BT1 Oxygen inorganic compounds
- NT1 Iron oxides
- RT Oxide minerals
- Also see Iron oxides

**Oxygen**

- BT1 Nonmetals
- BT2 Elements
- RT Dissolved gases
- Also see Oxygen inorganic compounds

**Oxygen inorganic compounds**

- NT1 Carbon dioxide
- NT1 Carbonates
- NT1 Oxides
- NT1 Sulfates

**P waves**

- Use Seismic p waves

**Pacific**

- See Pacific Ocean

**Pacific Ocean**

- BT1 Seas
- BT2 Surface waters
- NT1 South China Sea

**Packing**

- See Gravel packing
- See Slurry packing

**Pakistan**

- BT1 Asia
- BT2 Continents

**Paleocene**

- See Paleocene Epoch

**Paleocene Epoch**

- BT1 Tertiary Period
- BT2 Cenozoic Era

**Paleoecology**

RT Biostratigraphy  
RT Depositional environment  
RT Ecology  
RT Environment  
RT Paleontology

**Paleomagnetism**

RT Geophysics

**Paleontology**

RT Biostratigraphy  
RT Foraminifera  
RT Geochronology  
RT Geology  
RT Paleoecology  
RT Protozoa  
RT Sedimentology  
RT Stratigraphy

**Paleopressure**

RT Geopressure

**Paleozoic**

See Paleozoic Era

**Paleozoic Era**

BT1 Geologic times  
NT1 Cambrian Period  
NT1 Carboniferous Periods  
NT1 Devonian Period  
NT1 Ordovician Period  
NT1 Permian Period  
NT1 Silurian Period

**Paper**

RT Paper industry

**Paper industry**

BT1 Industry  
RT Paper

**Parish**

Also see Acadia Parish  
Also see Calcasieu Parish  
Also see Cameron Parish  
Also see Iberia Parish  
Also see Jefferson Davis Parish  
Also see Lafayette Parish  
Also see St Mary Parish  
Also see Vermillion Parish

**Park**

See Yellowstone National Park

**Particles**

RT Sedimentation

**Pascals**

See High pressure  
See Low pressure  
See Standard pressure

**Paso**

See El Paso County

**Patents**

BT1 Document types  
RT Legal aspects  
RT Licensing  
RT Royalties  
RT Specifications

**Pecos**

See Texas

**Pegmatite**

BT1 Intrusive rocks  
BT2 Igneous rocks

**Penetration**

See Drilling rate  
See Injection rates

**Penetration rate**

Use Drilling rate

**Penetrators**

NT1 Earth penetrators  
NT1 Subterrene penetrators  
Also see Rock drilling  
Also see Well drilling

**Pennsylvanian**

See Pennsylvanian Period

**Pennsylvanian Period**

BT1 Carboniferous Periods  
BT2 Paleozoic Era

**Pentane**

BT1 Alkanes  
BT2 Hydrocarbons

**Percent**

See Net sand maps  
See Sand percent maps



## Performance

RT Comparative evaluations  
 RT Efficiency  
 RT Feasibility studies  
 RT Performance testing  
 RT Reliability  
 Also see Inspection  
 Also see Materials testing  
 Also see Performance testing  
 Also see Productivity

## Performance testing

BT1 Testing  
 RT Efficiency  
 RT Inspection  
 RT Materials testing  
 RT Optimization  
 RT Performance  
 RT Production testing  
 RT Productivity  
 RT Reliability  
 RT Well testing

## Period

See Cambrian Period  
 See Cretaceous Period  
 See Devonian Period  
 See Jurassic Period  
 See Mississippian Period  
 See Ordovician Period  
 See Pennsylvanian Period  
 See Permian Period  
 See Quaternary Period  
 See Silurian Period  
 See Tertiary Period  
 See Triassic Period

## Periods

See Carboniferous Periods

## Permafrost

BT1 Soils  
 RT Frost

## Permeability

BT1 Physical properties  
 RT Acidization  
 RT Electrodialysis  
 RT Formation damage  
 RT Free water  
 RT Hydraulic conductivity  
 RT Leakage  
 RT Lost circulation  
 RT Osmosis  
 RT Porosity  
 RT Production rate  
 RT Rock properties  
 RT Semipermeable membranes  
 Also see Acidization  
 Also see Aquifers  
 Also see Permeability barriers  
 Also see Plugging  
 Also see Stratigraphic traps  
 Also see Well stimulation

## Permeability barriers

BT1 Geologic structures

## Permeability restoration

RT Acidization  
 RT Aquifers  
 RT Plugging  
 RT Well stimulation

## Permian

See Permian Period

## Permian Period

BT1 Paleozoic Era  
 BT2 Geologic times

## Permits

Use Licensing

## Personnel

RT Management  
 RT Safety  
 RT Working conditions

## Petrochemical plants

BT1 Industrial plants

**Petroleum**

- BT1 Fossil fuels
- BT2 Fuels
- RT Drilling rigs
- RT Hydrocarbons
- RT Oil fields
- RT Oil wells
- RT Petroleum deposits
- RT Petroleum exploration
- RT Petroleum industry
- Also see Anticlines
- Also see Exploitation
- Also see Geophysical surveys
- Also see Petroleum deposits
- Also see Petroleum exploration
- Also see Petroleum industry
- Also see Resources
- Also see Salt domes
- Also see Stratigraphic traps
- Also see Structural traps
- Also see Traps

**Petroleum deposits**

- BT1 Geologic deposits
- BT1 Reserves
- NT1 Oil fields
- RT Anticlines
- RT Geophysical surveys
- RT Petroleum geology
- RT Petroleum
- RT Petroleum industry
- RT Resources
- RT Salt domes
- RT Stratigraphic traps
- RT Structural traps
- RT Traps
- RT Well logging equipment

**Petroleum exploration**

- BT1 Exploration
- RT Petroleum
- RT Petroleum industry

**Petroleum geology**

- BT1 Geology
- BT2 Economic geology
- RT Engineering geology
- RT Exploration
- RT Geochemical prospectus
- RT Natural gas deposits
- RT Petroleum deposits
- RT Petroleum industry
- RT Petrology
- RT Reservoir engineering
- RT Stratigraphy
- RT Well logging

**Petroleum industry**

- BT1 Industry
- RT Exploitation
- RT Petroleum geology
- RT Petroleum
- RT Petroleum deposits
- RT Petroleum exploration

**Petrology**

- BT1 Geology
- NT1 Sedimentary petrology
- RT Igneous rocks
- RT Lithology
- RT Metamorphic rocks
- RT Petroleum geology

**Ph**

- See Aqueous solutions
- See Chemical reactions
- See Ph adjustment
- See Ph value

**Ph adjustment**

- RT Acidization
- RT Brine treatment
- RT Ph dependence
- RT Ph value

**Ph dependence**

- RT Chemical reactions
- RT Ph adjustment
- RT Ph value

**Ph value**

- BT1 Chemical properties
- RT Aqueous solutions
- RT Chemical composition
- RT Ph adjustment
- RT Ph dependence

**Phanerite**

- Use Phaneritic rocks

**Phaneritic**

- See Phaneritic rocks

**Phaneritic rocks**

- BT1 Igneous rocks
- BT2 Rocks

**Phase**

- See Flashing
- See Liquid flow
- See Phase transformations
- See Two phase flow

**Phase transformations**

- NT1 Boiling
- NT1 Evaporation
- NT1 Melting

**Phillippines**

- BT1 Asia

**Phosphorus**

- BT1 Nonmetals
- BT2 Elements

**Photographs**

- RT Diagrams

**Photometry**

- See Emission spectroscopy

**Phreatic**

- See Ground water

**Phreatic water**

- Use Ground water

**Physical**

- See Physical properties
- See Surface properties

**Physical properties**

- NT1 Density
- NT1 Electrical properties
- NT1 Fluid properties
- NT1 Freezing potential
- NT1 Hydraulic conductivity
- NT1 Mud weight
- NT1 Optical properties
- NT1 Permeability
- NT1 Porosity
- NT1 Rock properties
- NT1 Rock drillability
- NT1 Thermodynamic properties
- NT1 Volume
- RT Chemical properties
- RT Hydrologic properties
- RT Pressure measurement
- RT Surface properties
- RT Temperature measurement

**Physiography**

- Use Geomorphology

**Piestic**

- See Artesian water

**Piestic water**

- Use Artesian water

**Piezometers**

- BT1 Measuring instruments
- RT Compressibility
- RT Piezometry

**Piezometry**

- BT1 Measuring methods
- RT Piezometers
- RT Pressure measurement

**Pilot**

- See Industrial plants
- See Pilot plants

**Pilot plants**

- BT1 Functional models
- BT2 Models
- RT Demonstration plants
- RT Industrial plants

**Pipe**

- See Nozzles
- See Pipes

**Pipe fittings**

- RT Nozzles
- RT Pipes
- RT Seals

**Pipelines**

- RT Archaeological sites
- RT Pipes

**Pipes**

- NT1 Drill pipes
- NT1 Transfer pipes
- RT Pipe fittings
- RT Pipelines
- RT Well casings
- Also see Drill pipes
- Also see Drills
- Also see Transfer pipes

**Pitting**

- See Pitting corrosion

**Pitting corrosion**

- BT1 Corrosion
- BT2 Chemical reactions
- RT Cavitation
- RT Corrosion resistant alloys

**Plagioclases**

- BT1 Feldspars
- BT2 Silicate minerals
- NT1 Albite
- NT1 Andesine

**Plain**

- See Gulf Coast
- See Nagaoka Plain

**Planet**

- See Continental crust
- See Earth atmosphere
- See Earth core
- See Earth crust
- See Earth mantle
- See Earth movements
- See Earth planet
- See Earth planetary structure
- See Geography
- See Geophysics
- See Oceanography
- See Topography

**Planetary**

- See Earth planetary structure

**Plankton**

- BT1 Aquatic organisms
- BT2 Animals
- BT2 Plants
- RT Bacteria
- RT Surface waters

**Planning**

- RT Allocations
- RT Construction
- RT Demonstration programs
- RT Design
- RT Feasibility studies
- RT Optimization
- RT Production
- RT Research programs
- RT Site selection
- RT Zoning

**Plants**

- BT1 Biomass
- NT1 Aquatic organisms
- NT1 Sugar cane
- RT Agriculture
- RT Biology
- RT Crops
- Also see Combined cycle power plants
- Also see District heating
- Also see Fossil fuel power plants
- Also see Gas turbine power plants
- Also see Geothermal energy conversion
- Also see Hydroelectric power plants
- Also see Industrial plants
- Also see Nuclear power plants
- Also see Ocean thermal power plants
- Also see Pilot plants
- Also see Power generation
- Also see Power plants
- Also see Solar power plants
- Also see Space heating
- Also see Steam power plants
- Also see Steam turbine power generation
- Also see Thermal power plants
- Also see Tidal power plants
- Also see Wind power plants

**Plants (industrial)**

- Use Industrial plants

**Plants (power)**

- Use Power plants

**Plasticity**

- BT1 Mechanical properties
- RT Deformation

**Plate**

- See Earth crust
- See Plate tectonics
- See Rift valleys
- See Volcanism

**Plate tectonics**

- BT1 Tectonics
- BT2 Geology
- RT Benioff zones
- RT Continental drift
- RT Convection cells
- RT Earth crust
- RT Rift valleys
- RT Sea floor spreading
- RT Volcanism

**Platinum**

- BT1 Transition elements
- BT2 Metals

**Pleasant Bayou No. 1 Well**

- BT1 Texas
- BT2 USA
- BT3 North America

**Pleasant Bayou No. 2 Well**

- BT1 Texas
- BT2 USA
- BT3 North America

**Pleistocene**

- See Pleistocene Epoch

**Pleistocene Epoch**

- BT1 Quaternary Period
- BT2 Cenozoic Era

**Pliocene**

- See Pliocene Epoch

**Pliocene Epoch**

- BT1 Tertiary Period
- BT2 Cenozoic Era

**Plugging**

- RT Formation damage
- RT Fouling
- RT Permeability restoration
- RT Reaming
- RT Reservoir rocks
- RT Scaling
- RT Suspended solids
- RT Well stimulation

**Plutonic**

- See Intrusive rocks
- See Juvenile water
- See Plutonic rocks

**Plutonic rocks**

- BT1 Rocks
- RT Intrusive rocks

**Plutonic water**

- Use Juvenile water

**Plutonium**

- BT1 Actinides
- BT2 Metals

**Plutons**

- Use Igneous intrusions

**Point**

- See Melting point

**Polar**

- See Climates
- See Polar regions

**Polar regions**

- NT1 Arctic regions
- RT Climates

**Policies**

- See Government policies

**Policy**

- Also see Allocations
- Also see Economics
- Also see Energy policy
- Also see Environmental policy
- Also see Forecasting
- Also see Government policies
- Use Economic policy

## **Pollution**

- NT1 Air pollution
- NT1 Land pollution
- NT1 Noise pollution
- NT1 Thermal pollution
- NT1 Water pollution
- RT Aquifer rehabilitation
- RT Chemical effluents
- RT Environment
- RT Pollution law
- RT Pollution regulations
- RT Pollution control equipment
- RT Wastes
- Also see Air pollution abatement
- Also see Air pollution control
- Also see Air pollution monitors
- Also see Environmental impact statements
- Also see Gaseous wastes
- Also see Government policies
- Also see Land pollution abatement
- Also see Land pollution control
- Also see Noise pollution abatement
- Also see Noise pollution control
- Also see Pollution control equipment
- Also see Pollution control
- Also see Pollution law
- Also see Pollution regulations
- Also see Scrubbers
- Also see Temperature effects
- Also see Waste heat
- Also see Water pollution abatement
- Also see Water pollution control

## **Pollution control**

- BT1 Control
- NT1 Air pollution control
- NT1 Land pollution control
- NT1 Noise pollution control
- NT1 Water pollution control
- RT Pollution control equipment

## **Pollution control equipment**

- BT1 Equipment
- NT1 Scrubbers
- RT Air pollution abatement
- RT Pollution
- RT Pollution control
- RT Water pollution abatement

## **Pollution law**

- BT1 Laws
- RT Environmental impact statements
- RT Government policies
- RT Pollution
- RT Pollution regulations

## **Pollution regulations**

- BT1 Regulations
- RT Pollution
- RT Pollution law

## **Polonium**

- BT1 Metals
- BT2 Elements

## **Polymerization**

- BT1 Chemical reactions
- RT Polymers

## **Polymers**

- NT1 Elastomers
- RT Polymerization

## **Ponds**

- See Cooling
- See Cooling ponds
- See Cooling systems
- See Lakes

## **Pools**

- See Swimming pools

## **Populations**

- NT1 Human populations
- RT Biosphere
- RT Communities
- RT Ecosystems
- RT Environment
- Also see Demography
- Also see Rural populations
- Also see Sociology
- Also see Socio-economic factors
- Also see Urban populations

**Pore**

See Interstitial water  
See Pore pressure  
See Reservoir pressure

**Pore fluid**

Use Interstitial water

**Pore fluid pressure**

Use Reservoir pressure

**Pore pressure**

BT1 Hydrostatic pressure  
BT2 Hydropressure  
RT Capillary pressure  
RT Interstitial water

**Pore water**

Use Interstitial water

**Porosity**

BT1 Physical properties  
RT Chemisorption  
RT Compaction  
RT Isoporosity maps  
RT Leakage  
RT Lost circulation  
RT Permeability  
RT Porosity trends  
RT Porous media  
RT Rock properties

**Porosity trends**

BT1 Trends  
RT Isoporosity map  
RT Porosity

**Porous**

See Porosity  
See Semipermeable membranes

**Porous media**

RT Hydraulic conductivity  
RT Porosity  
RT Semipermeable membranes

**Porphyritic**

See Porphyritic rocks

**Porphyritic rocks**

BT1 Igneous rocks  
BT2 Rocks

**Porphyry**

Use Porphyritic rocks

**Possibilities**

RT Forecasting

**Post**

See Burial

**Post depositional process**

Use Burial

**Potable**

See Drinking water

**Potable water**

Use Drinking water

**Potassium**

BT1 Alkali metals  
BT2 Metals

**Potential**

See Electric potential  
See Electric power  
See Freezing potential  
See Kinetic energy  
See Oxidation  
See Potential energy  
See Power potential  
See Redox potential  
See Redox reactions  
See Reduction  
See Self potential surveys  
See Sp logging

**Potential energy**

BT1 Energy  
RT Energy recovery  
RT Kinetic energy

**Power**

NT1 Electric power  
RT Power range 100-1000gw  
RT Power range 100-1000kw  
RT Power range 100-1000mw  
RT Power range 10-100gw  
RT Power range 10-100mw  
RT Power range 10-100kw  
RT Power range 1-10gw  
RT Power range 1-10kw  
RT Power range 1-10mw  
Also see Binary cycle power generation  
Also see Brayton cycle  
Also see Combined cycle power plants  
Also see Combined cycle power generation  
Also see Electric power  
Also see Electric power industry  
Also see Fossil fuel power plants  
Also see Gas turbine power plants  
Also see Gas turbine power generation  
Also see Geothermal power plants  
Also see Geothermal energy conversion  
Also see Hydroelectric power plants  
Also see Nuclear energy  
Also see Nuclear power plants  
Also see Ocean thermal power plants  
Also see Power generation  
Also see Power plants  
Also see Power potential  
Also see Public utilities  
Also see Rankine cycle  
Also see Solar power plants  
Also see Steam power plants  
Also see Steam turbine power generation  
Also see Thermal power plants  
Also see Thermodynamic cycles  
Also see Tidal power  
Also see Tidal power plants  
Also see Wind energy  
Also see Wind power plants

**Power cycles**

Use Thermodynamic cycles

**Power generation**

NT1 Binary cycle power generation  
NT1 Co-generation  
NT1 Combined cycle power generation  
NT1 Gas turbine power generation  
NT1 Steam turbine power generation  
RT Brayton cycle power systems  
RT Electric generators  
RT Electric power  
RT Geothermal energy conversion  
RT Power plants  
RT Public utilities  
RT Rankine cycle power systems  
RT Thermodynamic cycles

**Power plants**

NT1 Hydroelectric power plants  
NT1 Solar power plants  
NT1 Thermal power plants  
NT1 Tidal power plants  
NT1 Wind power plants  
RT Cooling towers  
RT Electric power  
RT Electric power industry  
RT Power generation

**Power potential**

RT Electric power

**Power production**

Use Power generation

**Power range 1-10gw**

RT Power

**Power range 1-10kw**

RT Power

**Power range 1-10mw**

RT Power

**Power range 10-100gw**

RT Power

**Power range 100-1000gw**

RT Power



**Power transmission**

RT Electric power

**Precambrian**

See Precambrian Eras

**Precambrian Eras**

BT1 Geologic times

**Precipitated**

See Evaporites

**Precipitation**

BT1 Separation processes

RT Crystallization

RT Deposition

RT Evaporites

RT Ion exchange

RT Saturation

RT Solubility

RT Supersaturation

**Precipitations**See Atmospheric  
precipitations**Precipitations (atmospheric)**Use Atmospheric  
precipitations**Prediction**

Use Forecasting

**Preparation**

See Site selection

**Presidio**

See Presidio County

**Presidio County**

BT1 Texas

BT2 Gulf Coast

**Pressure**

See Artesian pressure

See Back pressure

See Bottom hole pressure

See Differential pressure

See Elevated pressure

See Flow rate

See Fluid flow

See Fluid pressure

See Geopressure

See Geopressured reservoirs

See Geostatic pressure

See Hazards

See High pressure

See Hydrodynamic pressure

See Hydrostatic pressure

See Injection rates

See Injection wells

See Interstitial water

See Isopiestic measurement

See Kicks

See Low pressure

See Measuring instruments

See Moderate pressure

See Osmosis

See Physical properties

See Pore pressure

See Pressure buildup

See Pressure control

See Pressure decline

See Pressure drop

See Pressure gages

See Pressure gradients

See Pressure measurement

See Pressure release

See Reservoir pressure

See Semipermeable membranes

See Standard pressure

See Subnormal formation  
pressure

See Thermodynamics

See Vapor pressure

See Volatility

See Well head pressure

See Wells

**Pressure ( < 1.0 E05  
newton/sq m)**

Use Standard pressure

**Pressure ( < 1.02 kg/sq m)**

Use Low pressure

**Pressure ( < 1.45 E01 psi)**

Use Low pressure

**Pressure ( > 5.0 E07  
newton/sq m)**  
Use High pressure

**Pressure ( > 5.1 E02 kg/sq m)**  
Use High pressure

**Pressure ( > 7.25 E04 psi)**  
Use High pressure

**Pressure (<1 bar)**  
Use Low pressure

**Pressure (>500 bar)**  
Use High pressure

**Pressure (back)**  
Use Back pressure

**Pressure (bottom hole)**  
Use Bottom hole pressure

**Pressure (differential)**  
Use Differential pressure

**Pressure (fluid)**  
Use Fluid pressure

**Pressure (geostatic)**  
Use Geostatic pressure

**Pressure (pore)**  
Use Pore pressure

**Pressure (vapor)**  
Use Vapor pressure

**Pressure (well head)**  
Use Well head pressure

**Pressure (1 bar)**  
Use Standard pressure

**Pressure (1.0 E04-5.0 E07  
Newton/SQ M)**  
Use Elevated pressure

**Pressure (1.0 E05 newton/sq  
m)**  
Use Standard pressure

**Pressure (1.0 E05 pascals)**  
Use Standard pressure

**Pressure (1.0 E05-1.0 E07  
pascals)**  
Use Elevated pressure

**Pressure (1.01 E07-5.0 E07  
pascals)**  
Use Moderate pressure

**Pressure (1.02 kg/sq m)**  
Use Standard pressure

**Pressure (1.02-1.02 E02 kg/sq  
m)**  
Use Moderate pressure

**Pressure (1.03-5.1 E02 kg/sq  
m)**  
Use Elevated pressure

**Pressure (1.45 E01 psi)**  
Use Standard pressure

**Pressure (1.45 E01-1.45 E03  
psi)**  
Use Moderate pressure

**Pressure (1.465 E03-7.252 E04  
psi)**  
Use Elevated pressure

**Pressure (1-100 bar)**  
Use Moderate pressure

**Pressure (101-500 bar)**  
Use Elevated pressure

**Pressure buildup**

**Pressure control**  
BT1 Control  
RT Isopiestic measurement  
RT Pressure measurement

**Pressure decline**  
RT Drawdown  
RT Time dependence

**Pressure dependence**  
RT Elevated pressure  
RT High pressure  
RT Isopiestic measurement  
RT Low pressure  
RT Moderate pressure  
RT Standard pressure

**Pressure drawdown**  
Use Pressure decline

**Pressure drop**

RT Flow rate  
RT Fluid flow  
RT Isopiestic measurement  
RT Pressure gradients  
RT Pressure release

**Pressure gages**

BT1 Measuring instruments  
RT Pressure measurement

**Pressure gradients**

NT1 Geopressure gradients  
RT Differential pressure  
RT Isopiestic measurement  
RT Pressure drop  
RT Pressure measurement

**Pressure kicks**

Use Kicks

**Pressure measurement**

BT1 Measurement  
RT Bottom hole pressure  
RT Isopiestic measurement  
RT Measuring instruments  
RT Physical properties  
RT Piezometry  
RT Pressure control  
RT Pressure gages  
RT Pressure gradients

**Pressure release**

RT Blowouts  
RT Hazards  
RT Isopiestic measurement  
RT Pressure drop

**Pressure seals**

**Preventers**

See Blowout preventers  
See Blowouts  
See Natural gas wells  
See Oil wells

**Prices**

Use Charges

**Prieto**

See Cerro Prieto Geothermal Field  
See Hot water systems

**Proceedings**

BT1 Document types  
RT Meetings

**Process**

See Burial  
See Direct energy utilization  
See Frasch sulfur process  
See Industrial heating  
See Process heat

**Process heat**

BT1 Heat  
BT2 Energy  
RT Direct energy utilization  
RT Industrial heating

**Processes**

See Geologic processes  
See Recovery processes  
See Refining  
See Separation processes

**Processing**

NT1 Data processing  
NT1 Refining  
NT1 Waste processing  
Also see Computers  
Also see Data  
Also see Data analysis  
Also see Liquid wastes  
Also see Radioactive wastes  
Also see Recovery processes  
Also see Scrubbers  
Also see Waste processing

**Producing**

See Producing wells

**Producing wells**

BT1 Wells

**Production**

NT1 Gas production  
NT1 Mineral production  
NT1 Oil production  
NT1 Sand production  
NT1 Water production  
RT Operation  
RT Planning  
RT Production rate  
RT Productivity  
Also see Power generation  
Also see Production logging

**Production decline curve**

BT1 Graphs  
RT Well data  
See Decline curve analysis  
See Production decline rate

**Production logging**

BT1 Well logging

**Production rate**

BT1 Rates

RT Permeability

RT Production

RT Productivity

RT Production testing

RT Reservoir pressure

RT Well testing

**Production testing**

BT1 Well testing

BT2 Testing

RT Gas production

RT Performance testing

RT Productivity

RT Production rate

RT Water production

**Productivity**

RT Efficiency

RT Energy yield

RT Feasibility studies

RT Net energy

RT Performance testing

RT Production rate

RT Production testing

RT Production

**Products**

See Anthropogenic occurrence

See Corrosion

See Corrosion monitoring

See Desalination

See Economics

See Industry

See Recovery processes

**Profitability**

RT Evaluation

RT Financial incentives

RT Income

RT Investment

RT Optimization

See Rate of Return

**Profits**

RT Charges

RT Economics

RT Income

**Programming**

RT Computer codes

RT Computers

**Programs**

See Commercialization

See Computer codes

See Information needs

See Planning

See Research programs

See Reviews

**Programs (computer)**

Use Computer codes

**Programs (research)**

Use Research programs

**Propagation**

See Wave propagation

**Propagation (wave)**

Use Wave propagation

**Propane**

BT1 Alkanes

BT2 Hydrocarbons

**Properties**

See Chemical properties

See Elasticity

See Electrical properties

See Engineering

See Fracture properties

See Geopressured reservoirs

See Mechanical properties

See Optical properties

See Physical properties

See Reservoir engineering

See Reservoir properties

See Rheology

See Rock properties

See Shear properties

See Strains

See Stresses

See Surface properties

See Tensile properties

See Thermodynamic properties

See Well characteristics

**Prospecting**

Also see Aerial surveys

Use Exploration

**Protection**

See Corrosion

See Corrosion monitoring

See Corrosion protection

See Crevice corrosion

See US EPA

**Protozoa**

- BT1 Microorganisms
- BT1 Invertebrates
- BT2 Animals
- NT1 Foraminifera
- RT Paleontology

**Provinces**

- See Geologic provinces

**Psi**

- See High pressure
- See Low pressure
- See Standard pressure

**Public**

- See Human populations
- See KGRAs
- See Land leasing
- See Management
- See Natural gas
- See Power generation
- See Public buildings
- See Public health
- See Public lands
- See Public opinion
- See Public utilities
- See Reserves
- See Sociology

**Public attitudes**

- Use Public opinion

**Public buildings**

- BT1 Buildings
- RT Federal buildings

**Public health**

- RT Communities
- RT Human populations

**Public lands**

- NT1 Yellowstone National Park
- RT KGRAs
- RT Land leasing
- RT Land use
- RT Recreational facilities
- RT Reserves

**Public opinion**

- RT Public relations

**Public relations**

- RT Management
- RT Public opinion
- RT Sociology

**Public utilities**

- RT Electric power
- RT Natural gas
- RT Power generation

**Pumice**

- BT1 Pyroclastic rocks
- BT2 Extrusive rocks

**Pump**

- See Aquifer tests

**Pump tests**

- Use Aquifer tests

**Pumping**

- RT Dewatering
- RT Wells

**Pumps**

- NT1 Downhole pumps
- NT1 Injection pumps
- RT Compressors
- RT Gas ejectors
- Also see Injection pumps
- Also see Well design

**Purification**

- See Water treatment

**Pyrite**

- BT1 Sulfide minerals
- BT2 Minerals

**Pyrites**

- Also see Chalcopyrite
- Also see Pyrite
- Use Sulfide minerals

**Pyroclastic**

- See Pyroclastic rocks
- See Volcanism

**Pyroclastic rocks**

- BT1 Extrusive rocks
- BT2 Igneous rocks
- NT1 Obsidian
- NT1 Pumice
- NT1 Tuff
- RT Volcanism

**Pyrophyllite**

- BT1 Silicate minerals
- BT2 Minerals

**Pyroxenes**

- BT1 Silicate minerals
- BT2 Minerals

**Qualitative**

- See Chemical analysis methods
- See Chemical composition
- See Chemistry
- See Gas analysis
- See Measuring methods
- See Qualitative chemical analysis

**Qualitative chemical analysis**

- BT1 Chemical analysis
- BT2 Analysis
- RT Chemical analysis methods
- RT Chemical composition
- RT Chemistry
- RT Gas analysis
- RT Measuring methods

**Quality**

- See Air
- See Air pollution
- See Drinking water
- See Water
- See Water pollution
- See Water quality
- See Water treatment

**Quantitative**

- See Chemical analysis methods
- See Chemical composition
- See Chemistry
- See Gas analysis
- See Gas chromatography
- See Measuring methods
- See Quantitative chemical analysis

**Quantitative chemical analysis**

- BT1 Chemical analysis
- BT2 Analysis
- RT Chemical analysis methods
- RT Chemical composition
- RT Chemistry
- RT Gas analysis
- RT Gas chromatography
- RT Measuring methods

**Quartz**

- BT1 Silica minerals
- BT2 Minerals
- RT Sandstone
- RT Siltstone

**Quaternary**

- See Quaternary Period

**Quaternary Period**

- BT1 Cenozoic Era
- BT2 Geologic times
- NT1 Pleistocene Epoch
- NT1 Recent Epoch

**Queen**

- See Louisiana
- See Texas

**Queen City Formation**

- RT Louisiana
- RT Texas

**Radiation**

- See Electromagnetic radiation
- See Gamma radiation
- See Gamma ray logging
- See Gamma spectroscopy

**Radiators**

- RT Heating

**Radioactive**

- See Radioactive wastes

**Radioactive wastes**

- BT1 Wastes
- RT Contamination
- RT Salt deposits
- RT Waste disposal
- RT Waste management
- RT Waste processing

**Radioactivity**

- RT Contamination
- Also see Radioactivity logging
- Also see Radioactivity surveys

**Radioactivity logging**

- BT1 Well logging
- NT1 Gamma-Gamma logging
- NT1 Gamma ray logging
- NT1 Neutron logging

**Radioactivity surveys**

- BT1 Geophysical surveys
- BT2 Exploration methods
- NT1 Gamma ray surveys

**Radiometric**

- See Radiometric surveys

**Radiometric surveys**

- BT1 Geophysical surveys
- BT2 Exploration methods

**Radium**

- BT1 Alkaline earth metals
- BT2 Metals

**Radon**

- BT1 Rare gases
- BT2 Nonmetals

**Raft**

- See Raft River KGRA

**Raft River**

- See Raft River KGRA

**Raft River KGRA**

- BT1 KGRAs
- BT1 Idaho
- BT2 USA
- BT3 North America
- RT Geothermal fields

**Rain**

- BT1 Atmospheric precipitations
- BT2 Meteorology
- RT Rain water
- RT Snow
- RT Storms
- Also see Rain water

**Rain water**

- BT1 Water
- RT Rain
- RT Water resources

**Range**

- See Power

**Ranges**

- See California
- See Coast ranges
- See Oregon

**Rankin**

- See Rankin County

**Rankin County**

- BT1 Mississippi
- BT2 Gulf Coast

**Rankine**

- See Power generation
- See Rankine cycle
- See Steam turbine power generation

**Rankine cycle**

- BT1 Thermodynamic cycles
- RT Rankine cycle power systems
- RT Steam turbine power generation

**Rankine cycle power systems**

- RT Power generation
- RT Rankine cycle

**Rare**

- See Rare earths
- See Rare gases

**Rare earths**

- BT1 Metals
- BT2 Elements
- NT1 Europium
- NT1 Samarium

**Rare gases**

- BT1 Nonmetals
- BT2 Elements
- NT1 Argon
- NT1 Helium
- NT1 Krypton
- NT1 Neon
- NT1 Radon
- NT1 Xenon

**Rate**

- See Accumulation rate
- See Circulating rate
- See Drilling rate
- See Flow rate
- See Injection rates
- See Strain rate
- See Strains
- See Tensile properties

**Rates**

NT1 Accumulation rate  
NT1 Drilling rate  
NT1 Flow rate  
NT1 Injection rates  
NT1 Production rate  
NT1 Strain rate  
RT Velocity  
Also see Energy consumption  
Also see Injection wells

**Ratio**

See Facies maps

**Ray**

See Gamma ray logging  
See Gamma ray surveys  
See Gamma spectroscopy

**Rayleigh**

See Rayleigh waves

**Rayleigh waves**

BT1 Seismic waves

**Reaction**

See Reaction heat

**Reaction heat**

BT1 Enthalpy  
BT2 Thermodynamic  
properties  
NT1 Formation heat

**Reactions**

See Chemical equilibrium  
See Chemical properties  
See Chemical reactions  
See Redox reactions

**Reactions (chemical)**

Use Chemical reactions

**Reaming**

RT Plugging  
RT Well drilling

**Recent**

See Recent Epoch

**Recent Epoch**

BT1 Quaternary Period  
BT2 Cenozoic Era

**Recharge**

Also see Hydrology  
Also see Injection wells  
Also see Overdraft  
Use Artificial recharge  
Use Ground water recharge  
Use Natural recharge

**Recharge wells**

Use Injection wells

**Reclamation**

See Land pollution abatement  
See Land pollution control  
See Land reclamation  
See US Bureau of Reclamation

**Reclamation (land)**

Use Land reclamation

**Recluse**

See Recluse Field

**Recluse Field**

BT1 Wyoming  
BT2 Gulf Coast

**Recommendations**

RT Agreements  
RT Compliance  
RT Legal aspects  
RT Licensing  
RT Manuals  
RT Regulatory guides

**Recommendations**

RT Inspection  
RT Regulations  
RT Safety standards

**Recording**

See Data acquisition systems  
See Measuring instruments  
See Well logging

**Recording systems**

RT Data acquisition systems  
RT Measuring instruments  
RT Well logging

**Recovery**

See Materials recovery  
See Materials recovery  
See Minerals  
See Recovery processes  
See Water production



### **Recovery processes**

- NT1 Frasch sulfur process
- RT By-products
- RT Desulfurization
- RT Mineral recovery
- RT Waste management
- RT Waste processing
- RT Wastes

### **Recreational**

- See Public lands

### **Recreational facilities**

- RT Public lands

### **Redox**

- See Oxidation
- See Redox potential
- See Redox reactions
- See Reduction

### **Redox potential**

- RT Oxidation
- RT Redox reactions
- RT Reduction

### **Redox reactions**

- BT1 Chemical reactions
- NT1 Oxidation
- NT1 Reduction
- RT Redox potential

### **Reduction**

- BT1 Redox reactions
- BT2 Chemical reactions
- RT Redox potential
- Also see Redox potential

### **Reentry**

- RT Oil wells

### **Refining**

- BT1 Processing
- RT Separation processes

### **Reflectance**

### **Reflection**

- See Seismic reflection surveys

### **Refraction**

- See Seismic reflection surveys
- See Seismic refraction surveys

### **Refrigeration**

- See Direct energy utilization
- See Geothermal space heating

### **Regional**

- See Ecology
- See Economics
- See Environment
- See Human populations
- See Sociology

### **Regional analysis**

- RT Ecology
- RT Economic analysis
- RT Economics
- RT Environment
- RT Human populations
- RT Sociology

### **Regions**

- See Arctic regions
- See Climates
- See Coastal waters
- See Geopressured zones
- See Geothermal fields
- See Polar regions
- See Shores
- See Volcanism
- See Volcanoes

### **Regolith**

- Use Overburden

### **Regulations**

- NT1 Pollution regulations
- NT1 Zoning
- RT Agreements
- RT Compliance
- RT Deregulation
- RT Enforcement
- RT Implementation
- RT Land leasing
- RT Laws
- RT Legal aspects
- RT Legislation
- RT Licensing
- RT Local government
- RT National government
- RT Recommendations
- RT Regulatory guides
- RT Safety standards
- RT Specifications
- RT State government
- Also see Pollution
- Also see Pollution law

**Regulatory**

See Recommendations  
See Regulations

**Regulatory guides**

RT Recommendations  
RT Regulations

**Rehabilitation**

See Aquifers

**Reinjection**

Also see Injection wells  
Use Artificial recharge

**Reinjection wells**

Use Injection wells

**Relations**

See Management  
See Public opinion  
See Sociology

**Release**

See Hazards  
See Isopiestic measurement  
See Pressure release

**Reliability**

RT Failures  
RT Hazards  
RT Performance  
RT Performance testing  
RT Specifications  
RT Systems analysis

**Remote**

See Aerial surveys  
See Infrared surveys  
See Remote control

**Remote control**

BT1 Control  
RT Monitoring

**Remote sensing**

RT Aerial surveys  
RT Infrared surveys

**Republic**

See German Democratic  
Republic  
See German Federal Republic

**Republics**

See USSR

**Requirements**

See Land requirements  
See Water  
See Water requirements  
See Water resources

**Requirements (land)**

Use Land requirements

**Requirements (water)**

Use Water requirements

**Research**

See Information needs  
See Planning  
See Research programs  
See Reviews  
See US ERDA

**Research programs**

RT Demonstration programs  
RT Information needs  
RT Planning  
RT Reviews

**Reserves**

NT1 Coal reserves  
NT1 Energy reserves  
NT1 Natural gas deposits  
NT1 Petroleum deposits  
RT Energy supplies  
RT Exploitation  
RT Formation testing  
RT Geothermal resources  
RT Public lands  
RT Resources  
Also see Availability  
Also see Coal

**Reservoir**

See Bottom hole pressure  
See Compaction  
See Formation thickness  
See Gas saturation  
See Geopressured reservoirs  
See Hydrostatic pressure  
See Plugging  
See Reservoir engineering  
See Reservoir pressure  
See Reservoir properties  
See Reservoir rocks  
See Reservoir temperature  
See Well characteristics  
See Well information systems  
See Well logging

**Reservoir characteristics**

Use Reservoir properties

**Reservoir compaction**

Use Compaction

**Reservoir description**

RT Well information systems

RT Well logging

**Reservoir engineering**

BT1 Engineering

NT1 Well stimulation

RT Compaction

RT Formation testing

RT Geopressured reservoirs

RT Geothermal reservoirs

RT Hydraulic fracturing

RT Petroleum geology

RT Reservoir properties

RT Reservoir rocks

RT Water reservoirs

RT Well testing

**Reservoir fluids**

BT1 Fluids

RT Natural gas fields

RT Oil fields

**Reservoir mechanics**

Use Reservoir engineering

**Reservoir pressure**

BT1 Reservoir properties

RT Bottom hole pressure

RT Formation testing

RT Geopressured reservoirs

RT Geothermal reservoirs

RT Hydrostatic pressure

RT Production rate

**Reservoir properties**

NT1 Reservoir pressure

NT1 Reservoir temperature

RT Geopressured reservoirs

RT Geothermal reservoirs

RT Reservoir engineering

RT Subsurface reservoirs

RT Well characteristics

RT Well data

RT Well interference

**Reservoir rock**

Use Reservoir rocks

**Reservoir rocks**

BT1 Rocks

NT1 Carbonate rocks

NT1 Fractured reservoirs

RT Gas saturation

RT Interstitial water

RT Natural gas fields

RT Oil fields

RT Oil saturation

RT Plugging

RT Reservoir engineering

RT Sand

RT Water saturation

**Reservoir temperature**

BT1 Reservoir properties

BT1 Subsurface temperature

RT Bottom hole temperature

RT Geopressured reservoirs

RT Geothermal reservoirs

RT Temperature logging

RT Well characteristics

**Reservoir thickness**

Use Formation thickness

**Reservoirs**

See Aquifers

See Fractured reservoirs

See Fresh water

See Geopressured reservoirs

See Geothermal reservoirs

See Magma

See Magma reservoirs

See Magma systems

See Reservoir engineering

See Reservoir pressure

See Reservoir properties

See Reservoir temperature

See Subsurface reservoirs

See Volcanism

See Water reservoirs

**Reservoirs (geothermal)**

Use Geothermal reservoirs

**Reservoirs (magma)**

Use Magma reservoirs

**Reservoirs (subsurface)**

Use Subsurface reservoirs

**Reservoirs (water)**

Use Water reservoirs

**Residential**

See Residential buildings

**Residential buildings**

- BT1 Buildings
- NT1 Apartment buildings
- NT1 Houses

**Residential structures**

- Use Residential buildings

**Resistance**

- See Corrosion
- See Crevice corrosion
- See Stainless steels

**Resistant**

- See Corrosion
- See Corrosion resistant alloys
- See Pitting corrosion

**Resistivity**

- See Electric conductivity
- See Induction logging
- See Resistivity logging
- See Resistivity surveys

**Resistivity exploration**

- Use Resistivity surveys

**Resistivity logging**

- BT1 Electrical logging
- BT2 Well logging
- NT1 Laterolog
- NT1 Microresistivity logging
- RT Electrical surveys
- RT Induction logging
- RT Sp logging

**Resistivity method**

- Use Resistivity surveys

**Resistivity surveys**

- BT1 Electrical surveys
- BT2 Geophysical surveys
- RT Induction logging

**Resonance**

- See Nuclear magnetic logging
- See Nuclear magnetic resonance

**Resource**

- See Availability
- See Energy conservation
- See Energy consumption
- See Exploration
- See Geothermal resources
- See KGRAs
- See Resource assessment
- See Resource conservation
- See Resource depletion
- See Resources

**Resource assessment**

**Resource availability**

- Use Availability

**Resource conservation**

- RT Energy conservation
- RT Resources

**Resource depletion**

- RT Availability
- RT Energy consumption
- RT Geothermal resources

**Resource development**

- RT Energy source development
- RT Resources

**Resource location**

- Use Exploration

**Resource potential**

- RT Energy source development
- RT Exploration
- RT Resources

**Resources**

NT1 Geothermal resources  
 NT1 Mineral resources  
 NT1 Water resources  
 RT Energy supplies  
 RT Natural gas deposits  
 RT Petroleum deposits  
 RT Reserves  
 RT Resource development  
 RT Resource potential  
 RT Resource conservation  
 Also see Availability  
 Also see Energy resources  
 Also see Engineering geology  
 Also see Geologic deposits  
 Also see Geopressure  
     resources  
 Also see Ground water  
 Also see KGRAs  
 Also see Mineral rights  
 Also see Ownership  
 Also see Rain water  
 Also see Rock mechanics  
 Also see Subsurface waters  
 Also see Surface waters  
 Also see Water  
 Also see Water management  
 Also see Water reservoirs

**Restoration**

See Acidization  
 See Aquifers  
 See Plugging  
 See Well stimulation

**Results**

See Data  
 See Document types  
 See Experimental results  
 See Field studies  
 See Graphs  
 See Tables  
 See Theoretical treatments

**Resurgent**

See Juvenile water

**Resurgent water**

Use Juvenile water

**Retrieval**

See Information needs  
 See Information systems

**Retrofitting**

BT1 Construction  
 RT Buildings

**Return**

See Profits

**Return on investment**

Use Profits

**Revenue**

Use Income

**Reverse**

See Thrust faults

**Reverse faults**

Use Thrust faults

**Reversed**

See Overturned folds

**Reversed folds**

Use Overturned folds

**Reviews**

BT1 Document types  
 RT Research programs

**Rheology**

RT Creep  
 RT Deformation  
 RT Fluid flow  
 RT Mechanical properties  
 RT Viscosity

**Rhyolite**

BT1 Extrusive rocks  
 BT2 Igneous rocks

**Ridges**

See Rift valleys

**Rift**

See Colorado  
 See Fault systems  
 See Faults  
 See New Mexico  
 See Rift valleys  
 See Rio Grande Rift  
 See Tectonics

**Rift valleys**

- BT1 Geologic structures
- RT Continental drift
- RT Fault systems
- RT Fault zones
- RT Faults
- RT Grabens
- RT Imperial Valley
- RT Ocean ridges
- RT Plate tectonics
- RT Rio Grande Rift
- RT Tectonics
- RT Volcanism

**Rights**

- See Legal aspects
- See Mineral rights
- See Water resources

**Rigs**

- See Drill pipes
- See Drilling
- See Drilling equipment
- See Drills
- See Natural gas
- See Petroleum
- See Well drilling

**Rio**

- See Colorado
- See New Mexico
- See Rift valleys
- See Rio Grande
- See Rio Grande Embayment
- See Rio Grande Rift

**Rio Grande**

- BT1 Rivers
- BT2 Streams

**Rio Grande Embayment**

- BT1 Texas
- BT2 Gulf Coast

**Rio Grande Rift**

- BT1 North America
- BT2 Continents
- RT Colorado
- RT New Mexico
- RT Rift valleys
- RT Texas

**Risk assessment**

- RT Energy source development

**Risks**

- Use Hazards

**River**

- See Mississippi River
- See Raft River KGRA
- See USSR
- See Volga River

**Rivers**

- BT1 Streams
- BT2 Surface waters
- NT1 Mississippi River
- NT1 Rio Grande
- NT1 Volga River
- RT Deltas
- RT Drainage systems
- RT Estuaries

**Rock**

- See Aquifers
- See Chemical reactions
- See Compaction
- See Compressibility
- See Drills
- See Ground subsidence
- See Halite
- See Hot dry rock systems
- See Hydrothermal alteration
- See Hydrothermal systems
- See Mechanical properties
- See Reservoir rocks
- See Rock drilling
- See Rock failures
- See Rock matrix
- See Rock mechanics
- See Rock properties
- See Rocks
- See Salt domes
- See Traps

**Rock characteristics**

- Use Rock properties

**Rock compaction**

- Use Compaction

**Rock compressibility**

- Use Compressibility

**Rock deformation**

- BT1 Deformation
- RT Compression
- RT Ground subsidence
- RT Rock drillability
- RT Rock properties
- RT Rock shear
- RT Rock stresses
- RT Structural geology
- RT Tectonics
- See Diapirism
- See Faulting
- See Folding
- See Salt tectonics

**Rock drillability**

- BT1 Rock properties
- BT2 Physical Properties
- RT Rock drilling
- RT Rock mechanics
- RT Rock shear
- RT Rock stresses
- RT Rock deformation
- RT Rock failures
- RT Well drilling

**Rock drilling**

- BT1 Drilling
- RT Boreholes
- RT Drills
- RT Rock drillability
- RT Subterranean penetrators
- RT Well drilling

**Rock failures**

- BT1 Failures
- RT Faults
- RT Rock drillability
- RT Rock mechanics
- RT Rock shear
- RT Rock stress

**Rock fluid interactions**

- RT Chemical reactions
- RT Hydrothermal alteration
- RT Hydrothermal systems
- RT Rocks

**Rock matrix****Rock mechanics**

- RT Field studies
- RT Geothermal resources
- RT Ground subsidence
- RT Overburden
- RT Rock drillability
- RT Rock shear
- RT Rock stresses
- RT Rock failures
- RT Rock properties
- RT Rocks
- RT Soil mechanics

**Rock properties**

- BT1 Physical properties
- NT1 Rock drillability
- RT Chemical composition
- RT Fracture properties
- RT Hydrologic properties
- RT Mechanical properties
- RT Permeability
- RT Porosity
- RT Rock deformation
- RT Rock stresses
- RT Rock mechanics
- RT Rocks
- RT Sand shale ratio

**Rock salt**

- Use Halite

**Rock shear**

- BT1 Shear
- RT Rock deformation
- RT Rock drillability
- RT Rock mechanics
- RT Rock stress
- RT Rock failures

**Rock stresses**

- BT1 Stresses
- RT Rock deformation
- RT Rock drillability
- RT Rock mechanics
- RT Rock properties
- RT Rock shear
- RT Rock failures
- See Formation stress
- See Rock pressure
- See Well bore stress

**Rocks**

NT1 Igneous rocks  
NT1 Metamorphic rocks  
NT1 Plutonic rocks  
NT1 Reservoir rocks  
NT1 Sedimentary rocks  
RT Cap rock  
RT Geological setting  
RT Lithification  
RT Rock fluid interactions  
RT Rock mechanics  
RT Rock properties  
RT Traps  
Also see Aphanitic rocks  
Also see Carbonate minerals  
Also see Carbonate rocks  
Also see Clastic rocks  
Also see Dolomite  
Also see Dolomite rocks  
Also see Evaporites  
Also see Extrusive rocks  
Also see Gas saturation  
Also see Hot dry rock  
    systems  
Also see Intrusive rocks  
Also see Nonclastic rocks  
Also see Petrology  
Also see Phaneritic rocks  
Also see Plugging  
Also see Porphyritic rocks  
Also see Pyroclastic rocks  
Also see Sedimentary  
    petrology  
Also see Texas  
Also see Volcanism

**Rotary**

See Rotary drilling

**Rotary drilling**

BT1 Well drilling  
BT2 Drilling

**Royalties**

RT Cost  
RT Income  
RT Investment  
RT Licensing  
RT Patents

**Rubidium**

BT1 Alkali metals  
BT2 Metals

**Rural**

See Rural populations

**Rural areas**

RT Rural populations

**Rural populations**

BT1 Human populations  
BT2 Populations  
RT Rural areas

**S waves**

Use Seismic s waves

**Safeguards**

RT Inspection  
RT Legal aspects

**Safety**

RT Accidents  
RT Blowouts  
RT Failures  
RT Fire hazards  
RT Flammability  
RT Hazards  
RT Health hazards  
RT Injuries  
RT Personnel  
RT Safety engineering  
RT Safety standards  
RT Working conditions  
Also see Legal aspects  
Also see Regulations  
Also see Safety standards

**Safety engineering**

RT Safety

**Safety standards**

BT1 Standards  
RT Legal aspects  
RT Licensing  
RT Recommendations  
RT Regulations  
RT Safety

**Saint**

See St Mary Parish

**Saint Mary Parish**

Use St Mary Parish

**Sales**

Use Trade

**Saline**

See Brines  
See Saline aquifers  
See Salt water  
See Waste disposal



**Saline aquifers**

- BT1 Aquifers
- BT2 Subsurface reservoirs
- RT Aquicludes
- RT Brines
- RT Salts
- RT Waste disposal

**Saline water**

- Use Salt water

**Salinity**

- BT1 Chemical properties
- RT Brackish water
- RT Brines
- RT Chemical composition
- RT Corrosion
- RT Desalination
- RT Dissolved solids
- RT Estuaries
- RT Salt water
- RT Salts
- RT Sea water
- RT Solutions

**Salt**

- See Anticlines
- See Halite
- See Radioactive wastes
- See Salinity
- See Salt deposits
- See Salt domes
- See Salt tectonics
- See Salt water
- See Water production

**Salt content**

- Use Salinity

**Salt deposits**

- BT1 Geologic deposits
- NT1 Salt domes
- RT Anticlines
- RT Radioactive wastes
- RT Underground disposal
- RT Waste disposal

**Salt domes**

- BT1 Salt deposits
- BT2 Geologic deposits
- RT Cap rock
- RT Diapirism
- RT Diapirs
- RT Folds
- RT Natural gas deposits
- RT Petroleum deposits
- RT Salt tectonics
- RT Salts

**Salt tectonics**

- BT1 Rock deformation
- BT2 Deformation
- RT Creep
- RT Salt domes
- RT Structural geology

**Salt water**

- BT1 Water
- NT1 Sea water
- RT Brackish water
- RT Brines
- RT Drilling fluids
- RT Fresh water
- RT Salinity
- RT Surface waters

**Salt water production**

- Use Water production

**Salton**

- See Salton Sea

**Salton Sea**

- BT1 Lakes
- BT2 Surface waters
- BT1 Imperial Valley
- BT2 California

**Salts**

- NT1 Dissolved salts
- RT Brines
- RT Desalination
- RT Dissolved solids
- RT Halite
- RT Saline aquifers
- RT Salinity
- RT Salt domes

**Salvador**

- See El Salvador

**Samarium**

- BT1 Rare earths
- BT2 Metals

**Sampling**

- NT1 Downhole sampling
- NT1 Fluid sampling
- RT Formation testing
- RT Inspection
- RT Measuring methods
- RT Sampling methods
- RT Testing

**Sampling methods**

- RT Sampling

**San Andreas Fault**

- BT1 California
- BT2 USA
- BT3 North America

**San Joaquin**

- See San Joaquin Valley

**San Joaquin Valley**

- BT1 California
- BT2 USA
- BT3 North America

**Sand**

- RT Clay
- RT Clay minerals
- RT Reservoir rocks
- RT Sandstone
- RT Sediment deposits
- Also see Facies maps
- Also see Formation thickness
- Also see Gravel packing
- Also see Net sand maps
- Also see Reservoir pressure
- Also see Sand percent maps
- Also see Sand production
- Also see Sand trend maps

**Sand control**

- RT Gravel packing
- RT Sand production

**Sand percent maps**

- BT1 Facies maps
- BT2 Stratigraphic maps
- RT Net sand maps
- RT Sand trend maps

**Sand pressure**

- Use Reservoir pressure

**Sand production**

- BT1 Production
- RT Sand control
- RT Sediments

**Sand shale ratio**

- BT1 Rock composition
- BT2 Composition
- RT Facies
- RT Rock properties
- RT Sandstone

**Sand thickness**

- Use Formation thickness

**Sand trend maps**

- BT1 Trend maps
- BT2 Stratigraphic maps
- RT Facies maps
- RT Net sand maps
- RT Sand percent maps

**Sandstone**

- BT1 Clastic rocks
- BT2 Sedimentary rocks
- RT Compaction
- RT Interstitial water
- RT Quartz
- RT Sand shale ratio
- RT Sand
- RT Sediment deposits
- RT Siltstone

**Sandstones**

- Use Sandstone

**Saturated**

- See Liquids
- See Saturated vapor
- See Vapors

**Saturated vapor**

- RT Liquids
- RT Vapors

**Saturation**

- NT1 Gas saturation
- RT Chemical composition
- RT Chemical equilibrium
- RT Precipitation
- RT Solubility
- RT Solutions
- RT Supersaturation
- Also see Oil saturation
- Also see Reservoir rocks

**Scale**

- See Scale monitoring
- See Scaling
- See Scaling control

**Scale composition**

RT Scale monitoring  
 RT Scaling  
 RT Scaling control

**Scale monitoring**

BT1 Monitoring  
 RT Descaling  
 RT Scale composition  
 RT Scaling control

**Scaling**

BT1 Corrosion  
   BT2 Chemical reactions  
 RT Fouling  
 RT Plugging  
 RT Scale composition  
 RT Scaling control  
 RT Stress corrosion  
 Also see Scale monitoring  
 Also see Scaling control

**Scaling control**

BT1 Control  
 RT Scale composition  
 RT Scale monitoring  
 RT Scaling

**Schist**

BT1 Metamorphic rocks  
 BT2 Rocks

**Schists**

Use Schist

**Scientific**

See LASL

**Scrubbers**

BT1 Pollution control  
   equipment  
 BT2 Equipment  
 RT Air pollution  
 RT Air pollution abatement  
 RT Scrubbing  
 RT Waste processing

**Scrubbing**

RT Acidization  
 RT Scrubbers  
 RT Washing

**Sea**

See Arabian Sea  
 See Caribbean Sea  
 See Caspian Sea  
 See Earth crust  
 See Marine geology  
 See North Sea  
 See Ocean thermal power  
   plants  
 See Oceanic crust  
 See Plate tectonics  
 See Salinity  
 See Salton Sea  
 See Sea bed  
 See Sea floor spreading  
 See Sea water  
 See Seas  
 See Sediments  
 See Shores  
 See Solutions  
 See South China Sea  
 See Surface waters  
 See USSR

**Sea bed**

RT Earth crust  
 RT Marine geology  
 RT Seas  
 RT Sediments  
 RT Soil mechanics

**Sea coast**

Use Shores

**Sea floor**

Use Sea bed

**Sea floor spreading**

RT Earth crust  
 RT Oceanic crust  
 RT Plate tectonics  
 RT Seas

**Sea water**

BT1 Salt water  
 BT2 Water  
 RT Brines  
 RT Desalination  
 RT Estuaries  
 RT Salinity  
 RT Seas  
 RT Solutions  
 RT Surface waters

**Seals**

RT Pipe fittings

**Seas**

- BT1 Surface waters
- NT1 Atlantic Ocean
- NT1 Indian Ocean
- NT1 Pacific Ocean
- RT Bays
- RT Coastal waters
- RT Continental slopes
- RT Estuaries
- RT Marine geology
- RT Oceanography
- RT Offshore sites
- RT Sea bed
- RT Sea floor spreading
- RT Sea water
- RT Shores
- RT Tide

**Seasonal**

- See Seasons

**Seasonal variations**

- RT Seasons

**Seasons**

- RT Atmospheric  
precipitations
- RT Climates
- RT Meteorology
- RT Seasonal variations
- RT Weather

**Sections**

- See Geologic cross sections
- See Geologic structures

**Sediment**

- See Sediment deposits

**Sediment deposits**

- BT1 Sediments
- NT1 Alluvial deposits
- RT Alluvium
- RT Deltas
- RT Geologic deposits
- RT Mudstone
- RT Sand
- RT Sandstone
- RT Sedimentation
- RT Sedimentology
- RT Siltstone

**Sedimentary**

- See Geologic structures
- See Sedimentary basins
- See Sedimentary petrology
- See Sedimentary rocks
- See Sedimentation
- See Sedimentology
- See Sediments
- See Stratigraphy

**Sedimentary basins**

- BT1 Basins
- BT2 Geologic structures
- RT Sediments
- RT Stratigraphy

**Sedimentary petrology**

- BT1 Petrology
- BT2 Geology
- RT Deposition
- RT Sedimentary rocks
- RT Sedimentary structures
- RT Sedimentation
- RT Sedimentology
- RT Stratigraphy

**Sedimentary rocks**

- BT1 Rocks
- NT1 Clastic rocks
- NT1 Limestone
- NT1 Nonclastic rocks
- RT Argillaceous rocks
- RT Carbonate rocks
- RT Lithification
- RT Lithology
- RT Sedimentary petrology
- RT Sedimentology

**Sedimentary structures**

- RT Geologic structures
- RT Sedimentary petrology
- RT Sedimentation
- RT Sedimentology
- RT Sediments
- RT Stratigraphy

**Sedimentation**

- BT1 Geologic processes
- RT Accumulation rate
- RT Burial
- RT Deltas
- RT Deposition
- RT Depositional environment
- RT Particles
- RT Sediment deposits
- RT Sedimentary petrology
- RT Sedimentary structures
- RT Sediments

**Sedimentation rate**

- Use Accumulation rate

**Sedimentology**

- BT1 Geology
- RT Lithification
- RT Paleontology
- RT Sediment deposits
- RT Sedimentary petrology
- RT Sedimentary rocks
- RT Sedimentary structures
- RT Sediments

**Sediments**

- NT1 Sediment deposits
- RT Alluvium
- RT Argillaceous rocks
- RT Catagenesis
- RT Deltas
- RT Depositional environment
- RT Geologic deposits
- RT Lithification
- RT Sand production
- RT Sea bed
- RT Sedimentary basins
- RT Sedimentary structures
- RT Sedimentation
- RT Sedimentology

**Seismic**

- See Microseisms
- See Seismic detection
- See Seismic effects
- See Seismic events
- See Seismic P waves
- See Seismic reflection surveys
- See Seismic refraction surveys
- See Seismic S waves
- See Seismic surveys
- See Seismic waves
- See Seismology

**Seismic detection**

- RT Seismic S waves
- RT Seismicity
- RT Sonic logging

**Seismic effects**

- RT Seismic events
- RT Seismicity
- RT Shock waves

**Seismic events**

- NT1 Earthquakes
- RT Ground motion
- RT Nuclear explosions
- RT Seismic effects
- RT Seismic waves

**Seismic noise**

- RT Microseisms

**Seismic p waves**

- BT1 Seismic waves
- RT Seismic S waves
- RT Seismicity

**Seismic reflection surveys**

- BT1 Seismic surveys
- BT2 Geophysical surveys
- RT Seismic refraction surveys

**Seismic refraction surveys**

- BT1 Seismic surveys
- BT2 Geophysical surveys
- RT Seismic reflection surveys

**Seismic s waves**

- BT1 Seismic waves
- RT Earthquakes
- RT Seismic detection
- RT Seismic P waves
- RT Seismic surveys
- RT Underground explosions

**Seismic surveys**

- BT1 Geophysical surveys
- BT2 Exploration methods
- NT1 Seismic reflection surveys
- NT1 Seismic refraction surveys
- RT Seismic S waves

**Seismic waves**

NT1 Microseisms  
NT1 Rayleigh waves  
NT1 Seismic P waves  
NT1 Seismic S waves  
RT Earth movements  
RT Earthquakes  
RT Seismic events  
RT Seismicity  
RT Seismology  
RT Shock waves  
RT Travel time

**Seismicity**

RT Seismic detection  
RT Seismic effects  
RT Seismic P waves  
RT Seismic waves  
RT Seismology

**Seismographs**

BT1 Measuring instruments

**Seismology**

RT Earth movements  
RT Earthquakes  
RT Geology  
RT Microseisms  
RT Seismic waves  
RT Seismicity  
RT Shock waves

**Selection**

See Environment  
See Meteorology  
See Planning  
See Site selection

**Selenium**

BT1 Semimetals  
BT2 Elements

**Self**

See Self potential surveys  
See Sp logging

**Self**

See Self potential surveys  
See Sp logging

**Self potential**

See Self potential surveys  
See Sp logging

**Self potential logging**

Use Sp logging

**Self potential surveys**

BT1 Electrical surveys  
BT2 Geophysical surveys  
RT Sp logging

**Semimetals**

BT1 Elements  
NT1 Arsenic  
NT1 Boron  
NT1 Selenium  
NT1 Silicon  
NT1 Tellurium

**Semipermeable**

See Semipermeable membranes

**Semipermeable membranes**

RT Electrodialysis  
RT Osmosis  
RT Osmotic pressure  
RT Permeability  
RT Porous media

**Sensing**

Also see Aerial surveys  
Also see Infrared surveys  
Use Detection

**Sensitivity**

RT Accuracy  
RT Calibration  
RT Measuring instruments  
RT Measuring methods

**Separation**

See Refining  
See Separation processes

**Separation processes**

NT1 Chromatography  
NT1 Demineralization  
NT1 Electrodialysis  
NT1 Filtration  
NT1 Ion exchange  
NT1 Leaching  
NT1 Precipitation  
RT Adsorption  
RT Chemisorption  
RT Refining  
RT Steam separators

**Separators**

Also see Separation  
processes  
Also see Steam condensers  
Also see Vapors  
Use Steam separators  
Use Vapor separators

**Sericite**

BT1 Micas  
BT2 Silicate minerals

**Serpentine**

Use Serpentes

**Serpentines**

BT1 Silicate minerals  
BT2 Minerals

**Setting**

See Field studies  
See Geologic structures  
See Geological surveys  
See Hydrology  
See Minerals  
See Rocks

**Shale**

BT1 Clastic rocks  
BT2 Sedimentary rocks  
NT1 Oil shale  
RT Mudstone  
RT Sand shale ratio  
RT Siltstone  
Also see Fossil fuels  
Also see Shale control  
Also see Shale diapirs  
Also see Water influx

**Shale control**

BT1 Control

**Shale diapirs**

BT1 Diapirs  
BT2 Anticlines  
NT1 Mud lumps  
NT1 Mud volcanoes

**Shale treatment**

Use Shale control

**Shale water influx**

Use Water influx

**Shear**

BT1 Stresses  
NT1 Rock shear  
RT Tensile properties  
Also see Rock failures  
Also see Seismic s waves  
Also see Shear properties

**Shear properties**

BT1 Mechanical properties

**Shear strength**

Use Shear properties

**Shear stress**

BT1 Stresses  
RT Mechanical properties

**Shear waves**

Use Seismic s waves

**Shelf**

See Coastal waters  
See Continents  
See Marine geology

**Shelters**

See Animal shelters  
See Farm buildings

**Shock**

See Earthquakes  
See Explosions  
See Ground motion  
See Seismic effects  
See Seismic waves  
See Seismology

**Shock waves**

RT Earthquakes  
RT Explosions  
RT Ground motion  
RT Seismic effects  
RT Seismic waves  
RT Seismology

**Shooting**

See Explosive stimulation

**Shores**

RT Coastal regions  
RT Coastal waters  
RT Lakes  
RT Offshore sites  
RT Seas

**Shortite**

- BT1 Carbonate minerals
- BT2 Minerals
- BT1 Sodium minerals
- BT2 Minerals

**Shut**

- See Reservoir pressure

**Shut in pressure**

- Use Reservoir pressure

**Siderite**

- BT1 Carbonate minerals
- BT2 Minerals

**Silica**

- See Silica minerals

**Silica minerals**

- BT1 Minerals
- NT1 Chalcedony
- NT1 Cristobalite
- NT1 Opal
- NT1 Quartz
- NT1 Tridymite
- RT Silicate minerals

**Silicate**

- See Silica minerals
- See Silicate minerals

**Silicate minerals**

- BT1 Minerals
- NT1 Amphiboles
- NT1 Chlorite minerals
- NT1 Clay minerals
- NT1 Epidotes
- NT1 Feldspars
- NT1 Micas
- NT1 Pyrophyllite
- NT1 Pyroxenes
- NT1 Serpentine
- NT1 Zeolites
- RT Silica minerals

**Silicon**

- BT1 Semimetals
- BT2 Elements

**Sill**

- See Sill intrusions

**Sill intrusions**

- BT1 Concordant intrusions
- BT2 Igneous intrusions

**Silt**

- See Sand production

**Silt production**

- Use Sand production

**Siltstone**

- BT1 Clastic rocks
- BT2 Sedimentary rocks
- RT Mudstone
- RT Quartz
- RT Sandstone
- RT Sediment deposits
- RT Shale

**Silurian**

- See Silurian Period

**Silurian Period**

- BT1 Paleozoic Era
- BT2 Geologic times

**Silver**

- BT1 Transition elements
- BT2 Metals
- Also see Silver inorganic compounds

**Silver inorganic compounds**

**Simulation**

- NT1 Computerized simulation
- RT Computer codes
- RT Functional models
- RT Mathematical models
- RT Systems analysis

**Site**

- See Environment
- See Meteorology
- See Planning
- See Site selection

**Site preparation**

- RT Site selection

**Site selection**

- RT Accidents
- RT Archaeological sites
- RT Environment
- RT Licensing
- RT Meteorology
- RT Offshore sites
- RT Planning
- RT Site preparation



**Sites**

See Coastal waters  
 See Offshore sites  
 See Seas  
 See Shores  
 See Site selection

**Size**

See Hole diameter

**Slate**

BT1 Metamorphic rocks  
 BT2 Rocks

**Slip**

See Lateral faults

**Slope**

See Slope stability

**Slope stability**

RT Soil mechanics

**Slopes**

See Continents  
 See Marine geology  
 See Oceanic crust  
 See Seas

**Slurry**

See Slurry packing

**Slurry packing****Smackover**

See Louisiana  
 See Mississippi  
 See Texas

**Smackover Formation**

RT Louisiana  
 RT Mississippi  
 RT Texas

**Snow**

BT1 Atmospheric  
     precipitations  
 BT2 Meteorology  
 RT Frost  
 RT Rain  
 RT Storms

**Social**

See Sociology  
 See Socio-economic factors

**Social impact**

RT Sociology  
 RT Socio-economic factors

**Socialist**

See USSR

**Socio**

See Economics  
 See Socio-economic factors

**Socio-economic**

See Economics  
 See Socio-economic factors

**Socio-economic factors**

RT Communities  
 RT Economic impact  
 RT Economics  
 RT Human populations  
 RT Social impact  
 RT Sociology

**Sociology**

NT1 Demography  
 RT Human populations  
 RT Public relations  
 RT Regional analysis  
 RT Social impact  
 RT Socio-economic factors  
 RT Urban populations

**Sodium**

BT1 Alkali metals  
 BT2 Metals  
 Also see Sodium chlorides  
 Also see Sodium inorganic  
     compounds  
 Also see Sodium minerals  
 Also see Sodium sulfates

**Sodium chlorides**

BT1 Sodium inorganic  
     compounds  
 BT1 Chlorides  
     BT2 Chlorine inorganic  
         compounds  
 RT Halite

**Sodium inorganic compounds**

NT1 Sodium chlorides  
 NT1 Sodium sulfates

**Sodium minerals**

BT1 Minerals  
 NT1 Shortite

**Sodium sulfates**

- BT1 Sodium inorganic compounds
- BT1 Sulfates
- BT2 Oxygen inorganic compounds

**Soil**

- See Agriculture
- See Consolidation
- See Field studies
- See Mechanical properties
- See Rock mechanics
- See Sea bed
- See Slope stability
- See Soils

**Soil mechanics**

- RT Consolidation
- RT Field studies
- RT Mechanical properties
- RT Rock mechanics
- RT Sea bed
- RT Slope stability
- RT Soils

**Soil warming**

- RT Agriculture

**Soils**

- NT1 Permafrost
- RT Agriculture
- RT Soil mechanics

**Solar**

- See Ocean thermal power plants
- See Solar energy
- See Solar energy conversion
- See Solar power plants

**Solar energy**

- BT1 Energy
- RT Solar energy conversion
- RT Solar power plants

**Solar energy conversion**

- BT1 Energy conversion
- BT2 Conversion
- NT1 Ocean thermal energy conversion
- RT Solar energy

**Solar power plants**

- BT1 Power plants
- RT Solar energy

**Solar sea power plants**

- Use Ocean thermal power plants

**Solid**

- See Dissolved solids
- See Solid solutions
- See Solid wastes

**Solid solutions**

- BT1 Solutions

**Solid wastes**

- BT1 Wastes
- NT1 Mineral wastes
- RT Chemical effluents
- RT Dissolved solids
- RT Organic matter
- RT Waste disposal

**Solidification**

- RT Crystallization

**Solids**

- NT1 Dissolved solids
- RT Crystals
- RT Dispersions
- Also see Plugging
- Also see Waste disposal
- Also see Water analysis

**Solubility**

- BT1 Chemical properties
- NT1 Vapor solubility
- RT Dissolved gases
- RT Dissolved solids
- RT Leaching
- RT Precipitation
- RT Saturation
- RT Solutions
- RT Solvents
- RT Supersaturation

**Solution**

- See Dissolved gases
- See Mathematical models
- See Mathematics
- See Numerical analysis
- See Numerical solution

**Solution gases**

- Use Dissolved gases

**Solutions**

NT1 Aqueous solutions  
 NT1 Brines  
 NT1 Nonaqueous solutions  
 NT1 Solid solutions  
 RT Concentration dependence  
 RT Corrosion  
 RT Dissolved gases  
 RT Dissolved solids  
 RT Infinite dilution  
 RT Interstitial water  
 RT Mixtures  
 RT Salinity  
 RT Saturation  
 RT Sea water  
 RT Solubility  
 RT Solvents  
 RT Supersaturation  
 Also see Empirical equations  
 Also see Low concentration

**Solvents**

RT Solubility  
 RT Solutions

**Sonic**

See Acoustic monitoring  
 See Cement bond logging  
 See Seismic detection  
 See Sonic logging  
 See Sound velocity  
 See Sound waves

**Sonic logging**

BT1 Well logging  
 RT Acoustic monitoring  
 RT Cement bond logging  
 RT Seismic detection  
 RT Sound velocity  
 RT Sound waves

**Sonic velocity**

Use Sound velocity

**Sound**

Also see Sound velocity  
 Use Sound waves

**Sound velocity**

BT1 Velocity  
 RT Sonic logging  
 RT Sound waves

**Sound waves**

RT Noise  
 RT Sonic logging  
 RT Sound velocity

**Sources**

See Energy  
 See Energy sources  
 See Heat flow  
 See Heat sources

**South**

See South America  
 See South China Sea

**South America**

BT1 Continents

**South China Sea**

BT1 Pacific Ocean  
 BT2 Seas

**Soviet**

See USSR

**Soviet Union**

Use USSR

**Sp**

See Induction logging  
 See Resistivity logging  
 See Sp logging

**Sp logging**

BT1 Electrical logging  
 BT2 Well logging  
 RT Induction logging  
 RT Resistivity logging  
 RT Self potential surveys

**Space**

See Direct energy utilization  
 See District heating  
 See Electric heating  
 See Geothermal space heating  
 See Hot water heating  
 See Space heating

**Space heating**

BT1 Heating  
 NT1 Geothermal space heating  
 RT Central heating plants  
 RT Direct energy utilization  
 RT District heating  
 RT Electric heating  
 RT Hot water heating

**Spacing**

- See Drawdown
- See Geopressured wells
- See Geopressured zones
- See Geothermal fields
- See Geothermal wells
- See Natural gas fields
- See Oil fields
- See Oil wells
- See Well interference
- See Wells

**Specific**

- See Specific heat

**Specific heat**

- BT1 Thermodynamic properties
- BT2 Physical properties
- RT Heat budget

**Specifications**

- RT Design
- RT Inspection
- RT Patents
- RT Regulations
- RT Reliability
- RT Standardization
- RT Standards

**Spectrometric**

- See Gamma spectroscopy
- See Spectrometric surveys
- See Spectroscopy

**Spectrometric surveys**

- BT1 Geophysical surveys
- BT2 Exploration methods
- RT Gamma spectroscopy
- RT Spectroscopy

**Spectroscopy**

- BT1 Chemical analysis methods
- BT2 Measuring methods
- RT Spectrometric surveys
- Also see Absorption spectroscopy
- Also see Emission spectroscopy
- Also see Gamma spectroscopy

**Sphalerite**

- BT1 Sulfide minerals
- BT2 Minerals

**Sphalerites**

- Use Sphalerite

**Spontaneous**

- See Sp logging

**Spontaneous potential logging**

- Use Sp logging

**Spreading**

- See Earth crust
- See Oceanic crust
- See Plate tectonics
- See Sea floor spreading
- See Seas

**Springs**

- See Coso Hot Springs KGRA
- See Ground water
- See Hot springs
- See Hydrothermal systems
- See Mineral springs
- See Thermal springs
- See Thermal waters
- See Warm springs
- See Water springs

**Springs (water)**

- Use Water springs

**St Mary Parish**

- BT1 Louisiana
- BT2 Gulf Coast

**Stability**

- Use Slope stability

**Stack**

- See Gaseous wastes
- See Stack disposal

**Stack disposal**

- BT1 Waste disposal
- BT2 Waste management
- RT Gaseous wastes

**Stage**

- See Hydrothermal alteration
- See Hydrothermal systems
- See Magma
- See Volcanism

**Stainless**

- See Corrosion protection
- See Crevice corrosion
- See Stainless steels

**Stainless steels**

BT1 Steels  
 BT2 Alloys  
 BT1 Corrosion resistant alloys  
 RT Corrosion protection  
 RT Corrosion resistance  
 RT Crevice corrosion

**Standard**

See Standard pressure  
 See Standard temperature

**Standard pressure**

RT Pressure dependence

**Standard temperature**

RT Temperature dependence

**Standardization**

RT Specifications  
 RT Standards

**Standards**

NT1 Safety standards  
 RT Compliance  
 RT Specifications  
 RT Standardization  
 Also see Legal aspects  
 Also see Regulations  
 Also see Safety

**Starr**

See Starr County

**Starr County**

BT1 Texas  
 BT2 Gulf Coast

**State**

See Crystallization  
 See Government policies  
 See National government  
 See Regulations  
 See State government

**State government**

RT Government policies  
 RT Legislation  
 RT Local government  
 RT National government  
 RT Regulations

**Statements**

See Environmental impact statement

**States**

See USA

**Static**

See Reservoir pressure

**Static pressure**

See Hydrostatic pressure

**Static reservoir pressure**

Use Reservoir pressure

**Statistical**

See Mathematics  
 See Statistical models

**Statistical models**

BT1 Mathematical models  
 BT2 Models  
 RT Mathematics

**Steam**

RT Condensates  
 RT Flashing  
 RT Gas ejectors  
 RT Steam generators  
 RT Steam system  
 RT Superheating  
 RT Water  
 RT Water vapor  
 Also see Flashed steam systems  
 Also see Geothermal heating  
 Also see Geothermal resources  
 Also see Geothermal energy conversion  
 Also see Heat exchangers  
 Also see Heat transfer  
 Also see Hot water systems  
 Also see Hydrothermal systems  
 Also see Natural steam  
 Also see Separation processes  
 Also see Steam condensers  
 Also see Steam generators  
 Also see Steam heating  
 Also see Steam power plants  
 Also see Steam separators  
 Also see Steam turbines  
 Also see Steam turbine power generation  
 Also see Thermodynamic cycles  
 Also see Vapor dominated systems

**Steam condensers**

- BT1 Vapor condensers
- BT2 Condensers
- RT Heat exchangers
- RT Heat transfer
- RT Steam separators

**Steam flashing**

- Use Flashing

**Steam generators**

- BT1 Vapor generators
- RT Boiling
- RT Heat exchangers
- RT Heat transfer
- RT Steam

**Steam heating**

- BT1 Heating
- RT Geothermal heating

**Steam power plants**

- BT1 Thermal power plants
- BT2 Power plants
- RT Steam turbines
- RT Steam turbine power generation

**Steam separators**

- BT1 Vapor separators
- RT Separation processes
- RT Steam condensers

**Steam system**

- RT Steam

**Steam turbine power generation**

- BT1 Turbines
- RT Rankine cycle
- RT Steam power plants
- RT Steam turbines

**Steam turbines**

- BT1 Turbines
- RT Steam power plants
- RT Steam turbine power generation

**Steels**

- BT1 Alloys
- NT1 Carbon steels
- NT1 Stainless steels
- Also see Corrosion protection
- Also see Crevice corrosion
- Also see Stainless steels

**Stem**

- See Drill stem testing

**Stimulation**

- Also see Explosive stimulation
- Also see Hydraulic fracturing
- Also see Plugging
- Also see Wells
- Use Well stimulation

**Stock**

- See Batholiths
- See Discordant intrusions
- See Stock intrusions

**Stock intrusions**

- BT1 Igneous intrusions
- RT Batholiths
- RT Discordant intrusions

**Storage**

- NT1 Energy storage
- Also see Direct energy utilization
- Also see Heat storage
- Also see Waste storage

**Stored**

- See Energy storage
- See Heat storage
- See Stored energy

**Stored energy**

- BT1 Energy
- RT Energy storage
- RT Heat storage

**Storms**

- NT1 Hurricanes
- RT Atmospheric precipitations
- RT Hazards
- RT Meteorology
- RT Rain
- RT Snow
- RT Weather
- RT Wind

**Strain**

- See Strain rate
- See Strains
- See Tensile properties

**Strain rate**

- BT1 Rates
- RT Strains
- RT Tensile properties

**Strains**

- RT Consolidation
- RT Deformation
- RT Displacements
- RT Elasticity
- RT Strain rate
- RT Stresses
- RT Tensile properties

**Strata**

- BT1 Geologic structures
- RT Overburden
- RT Stratigraphy

**Stratigraphic**

- See Geologic control
- See Stratigraphic maps
- See Stratigraphic traps

**Stratigraphic control**

- Use Geologic control

**Stratigraphic maps**

- BT1 Maps
- BT2 Document types
- NT1 Facies maps
- NT1 Isochore maps
- NT1 Isopach maps
- NT1 Trend maps
- RT Stratigraphy

**Stratigraphic traps**

- BT1 Traps
- BT2 Geologic structures
- RT Natural gas deposits
- RT Permeability barrier
- RT Petroleum deposits
- RT Stratigraphy
- RT Structural traps

**Stratigraphy**

- NT1 Biostratigraphy
- RT Formation thickness
- RT Geologic structures
- RT Geology
- RT Paleontology
- RT Petroleum geology
- RT Sedimentary basins
- RT Sedimentary petrology
- RT Sedimentary structures
- RT Strata
- RT Stratigraphic maps
- RT Stratigraphic traps
- RT Zonation

**Stratosphere**

- BT1 Earth atmosphere
- RT Troposphere

**Streams**

- BT1 Surface waters
- NT1 Rivers

**Strength**

- See Shear properties
- See Tensile properties

**Strength (shear)**

- Use Shear properties

**Stress**

- See Pore pressure
- See Rock failures
- See Stress corrosion

**Stress corrosion**

- BT1 Corrosion
- BT2 Chemical reactions
- RT Scaling

**Stresses**

- NT1 Shear
- NT1 Shear stress
- RT Materials testing
- RT Mechanical properties
- RT Strains
- RT Tensile properties
- RT Thermoelasticity

**Strike**

- See Lateral faults

**Strike slip faults**

- Use Lateral faults

**Strontium**

- BT1 Alkaline earth metals
- BT2 Metals
- Also see Strontium inorganic compounds

**Strontium inorganic compounds**

**Structural**

- See Geanticlines
- See Geologic control
- See Geologic structures
- See Mathematical models
- See Stratigraphic traps
- See Structural models
- See Structural traps

**Structural control**

- Use Geologic control

**Structural features**

- Use Geologic structures

**Structural geology**

- RT Geanticlines
- RT Rock deformation
- RT Salt tectonics
- RT Sedimentary structures
- RT Structural traps
- RT Uplifts

**Structural models**

- BT1 Models
- RT Mathematical models

**Structural traps**

- BT1 Traps
- BT2 Geologic structures
- RT Natural gas deposits
- RT Petroleum deposits
- RT Stratigraphic traps
- RT Structural geology

**Structure**

- See Earth planetary structure

**Structures**

- Also see Crystallography
- Also see Geologic structures
- Also see Residential buildings
- Also see Sedimentary petrology
- Also see Sedimentation
- Also see Sedimentology
- Also see Sediments
- Also see Stratigraphy
- Use Buildings

**Structures (geologic)**

- Use Geologic structures

**Studies**

- See Comparative evaluations
- See Economics
- See Experimental results
- See Exploration methods
- See Feasibility studies
- See Field studies
- See Geology
- See Hydrology
- See Rock mechanics

**Submarine**

- See Marine geology
- See Submarine trenches

**Submarine geology**

- Use Marine geology

**Submarine trenches**

- RT Benioff zones

**Subnormal**

- See Subnormal formation pressure

**Subnormal formation pressure**

**Subnormal pressure**

- Use Subnormal formation pressure

**Subpressure**

- Use Subnormal formation pressure

**Subsidence**

- Also see Compaction
- Also see Consolidation
- Use Ground subsidence



**Subsidies**

- BT1 Financial incentives
- RT Economics
- RT Financing

**Subsurface**

- See Exploration methods
- See Hydrogeology
- See Reservoir properties
- See Subsurface reservoirs
- See Subsurface temperature
- See Subsurface waters
- See Underground disposal
- See Water

**Subsurface disposal**

- Use Underground disposal

**Subsurface mapping**

- RT Exploration methods

**Subsurface reservoirs**

- NT1 Aquifers
- NT1 Geothermal reservoirs
- NT1 Magma reservoirs
- RT Reservoir properties
- RT Subsurface waters
- RT Well interference

**Subsurface temperature**

- NT1 Reservoir temperature

**Subsurface waters**

- NT1 Artesian water
- NT1 Capillary water
- NT1 Free water
- NT1 Ground water
- NT1 Juvenile water
- NT1 Vadose water
- RT Artesian aquifers
- RT Brackish water
- RT Hydrogeology
- RT Subsurface reservoirs
- RT Water
- RT Water resources

**Subterrene**

- See Earth penetrators
- See Rock drilling
- See Subterrene penetrators
- See Well drilling

**Subterrene penetrators**

- BT1 Penetrators
- RT Boreholes
- RT Earth penetrators
- RT Rock drilling
- RT Well drilling

**Sugar**

- See Sugar cane

**Sugar cane**

- BT1 Plants
- BT2 Biomass

**Sulfate**

- See Sulfate minerals
- See Sulfates

**Sulfate minerals**

- BT1 Minerals
- NT1 Alunite
- NT1 Anhydrite
- NT1 Barite
- NT1 Gypsum
- RT Sulfates

**Sulfates**

- BT1 Oxygen inorganic compounds
- BT1 Sulfur inorganic compounds
- NT1 Barium sulfates
- NT1 Calcium sulfates
- NT1 Calcium sulfates
- NT1 Magnesium sulfates
- RT Sulfate minerals
- Also see Barium sulfates
- Also see Calcium sulfates
- Also see Magnesium sulfates
- Also see Sodium sulfates

**Sulfide**

- See Sulfide minerals
- See Sulfides

**Sulfide minerals**

- BT1 Minerals
- NT1 Chalcopyrite
- NT1 Galena
- NT1 Pyrite
- NT1 Sphalerite
- RT Sulfides

**Sulfides**

- BT1 Sulfur inorganic compounds
- NT1 Hydrogen sulfides
- RT Sulfide minerals
- Also see Air pollution
- Also see Dissolved gases
- Also see Environmental effects
- Also see Hydrogen sulfides

**Sulfur**

- BT1 Nonmetals
- BT2 Elements
- RT Frasch sulfur process
- Also see Sulfur inorganic compounds

**Sulfur inorganic compounds**

- NT1 Sulfates
- NT1 Sulfides

**Superheating**

- BT1 Heating
- RT Steam

**Supersaturation**

- RT Precipitation
- RT Saturation
- RT Solubility
- RT Solutions

**Supplies**

- See Energy balance
- See Energy consumption
- See Energy demand
- See Energy sources
- See Energy storage
- See Energy yield
- See Reserves
- See Resources

**Surface**

- See Atmospheric precipitations
- See Environment
- See Oceanography
- See Plankton
- See Salt water
- See Surface disposal
- See Surface equipment
- See Surface properties
- See Surface temperature
- See Surface waters
- See Trend analysis
- See Water

**Surface disposal**

- BT1 Waste disposal
- BT2 Waste management

**Surface equipment**

- BT1 Equipment
- NT1 Collecting tanks
- NT1 Injection pumps
- NT1 Transfer pipes
- RT Wates disposal

**Surface properties**

- RT Adsorption
- RT Capillary pressures
- RT Chemical properties
- RT Corrosion
- RT Physical properties

**Surface temperature**

**Surface waters**

- NT1 Coastal waters
- NT1 Estuaries
- NT1 Lakes
- NT1 Seas
- NT1 Streams
- NT1 Swimming pools
- NT1 Water reservoirs
- RT Atmospheric precipitations
- RT Environment
- RT Fishes
- RT Floods
- RT Hydrology
- RT Hydrosphere
- RT Limnology
- RT Liquid wastes
- RT Oceanography
- RT Plankton
- RT Salt water
- RT Sea water
- RT Water
- RT Water resources

**Surface Monitoring**

**Surpressure**

- Use Geopressure

**Surveys**

See Aerial surveys  
See Electrical logging  
See Electrical surveys  
See Electromagnetic surveys  
See Gamma ray surveys  
See Gamma spectroscopy  
See Geochemical surveys  
See Geological surveys  
See Geophysical surveys  
See Geothermal exploration  
See Geothermal gradient surveys  
See Gravimetry  
See Gravitation  
See Gravity logging  
See Gravity surveys  
See Heat flow surveys  
See Induction logging  
See Infrared surveys  
See Magnetic surveys  
See Magnetotelluric surveys  
See Marine surveys  
See Radioactivity surveys  
See Radiometric surveys  
See Resistivity logging  
See Resistivity surveys  
See Seismic reflection surveys  
See Seismic refraction surveys  
See Seismic S waves  
See Seismic surveys  
See Self potential surveys  
See Sp logging  
See Spectrometric surveys  
See Spectroscopy  
See Telluric surveys  
See Temperature surveys  
See Well logging

**Suspended**

See Dissolved solids  
See Plugging  
See Waste disposal

**Suspended solids**

RT Dissolved solids  
RT Plugging  
RT Waste disposal

**Swimming**

See Swimming pools

**Swimming pools**

BT1 Surface waters

**Symposia**

Use Meetings

**Synclines**

BT1 Folds  
BT2 Geologic structures  
NT1 Geosynclines  
RT Synclinoria

**Synclinoria**

BT1 Fold systems  
BT2 Geologic structures  
RT Geosynclines  
RT Synclines

**Synthetic fuels**

BT1 Fuels  
RT Fuel gas

**System**

See Steam

## **Systems**

See Binary cycle power systems  
See Cooling  
See Cooling systems  
See Data acquisition systems  
See Failures  
See Fault blocks  
See Fault systems  
See Flashed steam systems  
See Fold systems  
See Gas turbine power generation  
See Geopressured systems  
See Geopressured zones  
See Geothermal systems  
See Geothermal energy conversion  
See Hot dry rock systems  
See Hot water systems  
See Hydrology  
See Hydrothermal systems  
See Information needs  
See Information systems  
See Magma  
See Magma systems  
See Measuring instruments  
See Monitoring  
See Power generation  
See Rankine cycle  
See Rivers  
See Simulation  
See Systems analysis  
See Thermodynamic cycles  
See Vapor dominated systems  
See Well information systems  
See Well logging

## **Systems analysis**

RT Failures  
RT Reliability  
RT Simulation

## **Tabasco**

BT1 Mexico  
BT2 North America  
RT Gulf Coast

## **Table**

See Aquifers  
See Ground water  
See Ground water recharge  
See Water springs  
See Water table

## **Tables**

BT1 Information  
RT Data  
RT Document types  
RT Experimental results  
RT Graphs

## **Tanks**

See Collecting tanks

## **Taxes**

RT Economics  
RT Financial incentives  
RT Trade

## **Technical**

See Specifications

## **Technical specifications**

Use Specifications

## **Techniques**

See Agriculture  
See Cultivation techniques  
See Measuring methods

## **Technology**

See Commercialization  
See Feasibility studies  
See Industry

## **Technology assessment**

RT Feasibility studies  
RT Industry

## **Technology utilization**

RT Commercialization  
RT Feasibility studies  
RT Industry

## **Tectonics**

BT1 Geology  
NT1 Plate tectonics  
RT Convection cells  
RT Diastrophism  
RT Rift valleys  
RT Rock deformation  
RT Uplifts  
Also see Earth crust  
Also see Rift valleys  
Also see Salt tectonics  
Also see Volcanism

## **Tectonism**

Use Diastrophism

**Telluric**

See Telluric surveys

**Telluric current exploration**

Use Telluric surveys

**Telluric surveys**

BT1 Electrical surveys  
BT2 Geophysical surveys  
RT Geothermal exploration

**Tellurium**

BT1 Semimetals  
BT2 Elements

**Temperature**

See Bottom hole temperature  
See Elevated temperature  
See Geopressed reservoirs  
See Geothermometers  
See Geothermometry  
See Heat  
See High temperature  
See Isotherm  
See Low temperature  
See Measuring instruments  
See Moderate temperature  
See Physical properties  
See Reservoir temperature  
See Standard temperature  
See Subsurface temperature  
See Surface temperature  
See Temperature control  
See Temperature distribution  
See Temperature effects  
See Temperature gradients  
See Temperature logging  
See Temperature measurement  
See Temperature monitoring  
See Temperature surveys  
See Thermal insulation  
See Transition temperature  
See Well characteristics  
See Well head temperature  
See Wells

**Temperature (<25 deg c)**

Use Low temperature

**Temperature (>400 deg c)**

Use High temperature

**Temperature (bottom hole)**

Use Bottom hole temperature

**Temperature (reservoir)**

Use Reservoir temperature

**Temperature (surface)**

Use Surface temperature

**Temperature (well head)**

Use Well head temperature

**Temperature (101-400 deg c)**

Use Elevated temperature

**Temperature (25 deg c)**

Use Standard temperature

**Temperature (26-100 deg c)**

Use Moderate temperature

**Temperature control**

BT1 Control  
RT Temperature measurement  
RT Temperature monitoring  
RT Thermal insulation

**Temperature dependence**

RT Elevated temperature  
RT High temperature  
RT Low temperature  
RT Moderate temperature  
RT Standard temperature  
RT Temperature distribution  
RT Temperature effects

**Temperature distribution**

BT1 Distribution  
RT Isotherm  
RT Temperature dependence  
RT Temperature gradients  
RT Temperature surveys

**Temperature effects**

BT1 Effects  
RT Heat  
RT Temperature dependence  
RT Thermoelasticity  
RT Thermal effluents  
RT Thermal pollution

**Temperature gradients**

NT1 Geothermal gradients  
RT Isotherm  
RT Temperature distribution

**Temperature inversion**

RT Meteorology

**Temperature logging**

- BT1 Well logging
- RT Bottom hole temperature
- RT Reservoir temperature
- RT Temperature measurement
- RT Temperature surveys
- RT Well characteristics

**Temperature measurement**

- BT1 Measurement
- RT Geothermometers
- RT Geothermometry
- RT Isotherm
- RT Measuring instruments
- RT Physical properties
- RT Temperature control
- RT Temperature logging
- RT Temperature monitoring
- RT Thermometers

**Temperature monitoring**

- BT1 Monitoring
- RT Temperature control
- RT Temperature measurement

**Temperature surveys**

- BT1 Thermal exploration methods
- BT2 Geophysical surveys
- RT Temperature distribution
- RT Temperature logging

**Tenneco Fee "N" No. 1 Well**

- BT1 Louisiana
- BT2 USA
- BT3 North America

**Tensile**

- See Strains
- See Stresses
- See Tensile properties

**Tensile properties**

- BT1 Mechanical properties
- NT1 Elasticity
- RT Shear
- RT Strain rate
- RT Strains
- RT Stresses

**Tensile strength**

- Use Tensile properties

**Terrebonne Parish**

- BT1 Louisiana
- BT2 USA
- BT3 North America

**Terrestrial**

- See Heat flow

**Terrestrial heat flow**

- Use Heat flow

**Tertiary**

- See Tertiary Period

**Tertiary Period**

- BT1 Cenozoic Era
- BT2 Geologic times
- NT1 Eocene Epoch
- NT1 Miocene Epoch
- NT1 Neogene Epoch
- NT1 Oligocene Epoch
- NT1 Paleocene Epoch
- NT1 Pliocene Epoch

**Test**

- See Aquifer tests
- See Comparative evaluations
- See Field studies

**Test facilities**

- RT Aquifer tests
- RT Comparative evaluations
- RT Field studies

**Testing**

- NT1 Drill stem testing
- NT1 Materials testing
- NT1 Performance testing
- RT Feasibility studies
- RT Laboratory testing
- RT Sampling
- Also see Corrosion
- Also see Inspection
- Also see Mechanical properties
- Also see Performance
- Also see Productivity
- Also see Stresses

**Tests**

- See Aquifer tests
- See Comparative evaluations
- See Field studies
- See Observation wells

**Texas**

- BT1 Gulf Coast
- BT2 North America
- NT1 Brazoria County
- NT1 Brewster County
- NT1 Brooks County
- NT1 Cameron County
- NT1 Corpus Christi Fairway
- NT1 Culberson County
- NT1 El Paso County
- NT1 Galveston County
- NT1 Harris County
- NT1 Hidalgo County
- NT1 Hudspeth County
- NT1 Jeff Davis County
- NT1 Kenedy County
- NT1 Kleberg County
- NT1 Live Oak County
- NT1 Matagorda Fairway
- NT1 Matagorda County
- NT1 Montgomery Fairway
- NT1 Nueces County
- NT1 Pleasant Bayou No. 1 Well
- NT1 Pleasant Bayou No. 2 Well
- NT1 Presidio County
- NT1 Rio Grande embayment
- NT1 Starr County
- NT1 Willacy County
- RT Anadarko Basin
- RT Delaware Basin
- RT Frio Formation
- RT Gulf Coast
- RT Norphlet Formation
- RT Queen City Formation
- RT Rio Grande Rift
- RT Smackover Formation
- RT Trans-pecos hot rocks
- RT Vicksburg Formation
- RT Wilcox Formation

**Texas Railroad Commission****Texas Water Quality Board****Textbooks**

- BT1 Document types

**Thallium**

- BT1 Metals
- BT2 Elements

**Theoretical**

- See Theoretical treatments

**Theoretical treatments**

- BT1 Document types
- RT Experimental results

**Thermal**

- See Elongation
- See Flashing
- See Geothermal fluids
- See Heat flow
- See Heat transfer
- See Hydrothermal systems
- See Ocean thermal power plants
- See Ocean thermal energy conversion
- See Specific heat
- See Temperature effects
- See Temperature gradients
- See Temperature logging
- See Thermal conduction
- See Thermal conductivity
- See Thermal diffusivity
- See Thermal efficiency
- See Thermal effluents
- See Thermal equilibrium
- See Thermal expansion
- See Thermal expansivity
- See Thermal exploration methods
- See Thermal insulation
- See Thermal pollution
- See Thermal power plants
- See Thermal springs
- See Thermal waters
- See Thermodynamic cycles
- See Thermodynamic properties
- See Waste heat

**Thermal capacity**

- Use Specific heat

**Thermal conduction**

- BT1 Heat transfer
- BT2 Energy transfer
- RT Heat flow
- RT Thermal conductivity
- RT Thermal insulation

**Thermal conductivity**

- BT1 Thermodynamic properties
- BT2 Physical properties
- RT Heat flow
- RT Heat transfer
- RT Thermal conduction
- RT Thermal insulation

**Thermal diffusion**

- RT Heat transfer
- RT Thermal diffusivity

**Thermal diffusivity**

- BT1 Thermodynamic properties
- BT2 Physical properties
- RT Thermal diffusion
- RT Thermal insulation

**Thermal effects**

- Use Temperature effects

**Thermal efficiency**

- BT1 Efficiency
- RT Thermodynamic cycles

**Thermal effluents**

- RT Geothermal brines
- RT Geothermal fluids
- RT Temperature effects
- RT Thermal pollution
- RT Thermal waters
- RT Waste heat

**Thermal equilibrium**

- BT1 Equilibrium
- RT Heat transfer

**Thermal expansion**

- BT1 Expansion
- RT Elongation
- RT Thermoelasticity
- RT Thermal expansivity

**Thermal expansivity**

- BT1 Thermodynamic properties
- BT2 Physical properties
- RT Thermal expansion

**Thermal exploration methods**

- BT1 Geophysical surveys
- BT2 Exploration methods
- NT1 Geothermal gradient surveys
- NT1 Heat flow surveys
- NT1 Temperature surveys

**Thermal gradients**

- Use Temperature gradients

**Thermal insulation**

- RT Air conditioning
- RT Heat transfer
- RT Temperature control
- RT Thermal conduction
- RT Thermal conductivity
- RT Thermal diffusivity

**Thermal logging**

- Use Temperature logging

**Thermal pollution**

- BT1 Pollution
- RT Environmental effects
- RT Temperature effects
- RT Thermal effluents
- RT Waste heat

**Thermal power plants**

- BT1 Power plants
- NT1 Combined cycle power plants
- NT1 Fossil fuel power plants
- NT1 Gas turbine power plants
- NT1 Geothermal power plants
- NT1 Nuclear power plants
- NT1 Ocean thermal power plants
- NT1 Steam power plants
- RT Boilers

**Thermal properties**

- Use Thermodynamic properties

**Thermal springs**

- BT1 Water springs
- NT1 Hot springs
- NT1 Warm springs
- RT Hydrothermal systems
- RT Mineral springs
- RT Thermal waters

**Thermal waters**

- RT Flashing
- RT Fumaroles
- RT Geothermal brines
- RT Geothermal fluids
- RT Geysers
- RT Hot springs
- RT Hydrothermal systems
- RT Thermal effluents
- RT Thermal springs

**Thermodynamic**

- See Thermodynamic cycles
- See Thermodynamic properties



## Thermodynamic cycles

- NT1 Brayton cycle
- NT1 Carnot cycle
- NT1 Rankine cycle
- RT Binary cycles
- RT Binary fluid systems
- RT Closed-cycle systems
- RT Combined cycles
- RT Flashed steam systems
- RT Open-cycle systems
- RT Power generation
- RT Thermal efficiency
- RT Thermodynamics
- RT Total flow systems
- RT Working fluids

## Thermodynamic properties

- BT1 Physical properties
- NT1 Enthalpy
- NT1 Specific heat
- NT1 Thermal conductivity
- NT1 Thermal diffusivity
- NT1 Thermal expansivity
- NT1 Transition temperature
- NT1 Vapor pressure
- NT1 Volatility
- RT Thermoelasticity
- RT Thermodynamics

## Thermodynamics

- RT Energy recovery
- RT Energy
- RT Osmotic pressure
- RT Thermodynamic cycles
- RT Thermodynamic properties

## Thermoelasticity

- BT1 Elasticity
- BT2 Tensile properties
- BT3 Mechanical properties
- NT1 Deformation
- RT Stresses
- RT Temperature effects
- RT Thermodynamic properties
- RT Thermal expansion

## Thermometers

- BT1 Measuring instruments
- RT Geothermometers
- RT Temperature measurement

## Thermometry

- Also see Geothermometry
- Use Temperature measurement

## Thickness

- BT1 Dimensions
- NT1 Formation thickness
- RT Distance
- Also see Isopach maps

## Thickness maps

- Use Isopach maps

## Thorium

- BT1 Actinides
- BT2 Metals

## Thrust

- See Thrust faults

## Thrust faults

- BT1 Faults
- BT2 Geologic structures

## Tidal

- See Tidal power
- See Tidal power plants

## Tidal power

- BT1 Energy sources
- RT Tidal power plants
- RT Tide

## Tidal power plants

- BT1 Power plants
- RT Tidal power

## Tide

- RT Seas
- RT Tidal power

## Tigre Lagoon Geothermal Field

- BT1 Geothermal fields
- BT1 Louisiana
- BT2 USA
- BT3 North America

## Time

- See Pressure decline

## Time dependence

- RT Pressure decline

## Times

- See Geologic times

## Tin

- BT1 Metals
- BT2 Elements

**Titanium**

- BT1 Transition elements
- BT2 Metals

**Titles**

- See Ownership

**Topographic**

- See Geologic structures
- See Mountains
- See Submarine trenches

**Topographic features**

- Use Geologic structures
- Use Mountains
- Use Submarine trenches

**Topography**

- RT Earth planet
- RT Geography
- RT Maps
- RT Topological mapping

**Topological**

- See Maps
- See Topography

**Topological mapping**

- RT Maps
- RT Topography

**Total**

- See Dissolved solids
- See Geothermal energy conversion
- See Thermodynamic cycles

**Total dissolved solids**

- Use Dissolved solids

**Total flow systems**

- RT Geothermal energy conversion
- RT Thermodynamic cycles

**Towers**

- See Cooling
- See Cooling systems
- See Heat exchangers
- See Power plants
- See Vapor condensers

**Toxicity**

- RT Biological effects

**Trace**

- See Elements
- See Trace amounts

**Trace amounts**

- RT Infinite dilution
- RT Low concentration

**Trace elements**

- Use Elements
- Use Trace amounts

**Trade**

- RT Economics
- RT Market
- RT Taxes

**Trans**

- See Texas

**Trans-pecos**

- See Texas

**Trans-Pecos Hot Rocks**

- RT Texas

**Transfer**

- See Convection
- See Electrodialysis
- See Energy balance
- See Energy transfer
- See Fluid flow
- See Heat exchangers
- See Heat flow
- See Heat transfer
- See Mass transfer
- See Steam condensers
- See Thermal conductivity
- See Thermal equilibrium
- See Thermal insulation
- See Transfer pipes
- See Two phase flow

**Transfer (energy)**

- Use Energy transfer

**Transfer (heat)**

- Use Heat transfer

**Transfer (mass)**

- Use Mass transfer

**Transfer pipes**

- BT1 Pipes
- BT1 Surface equipment
- BT2 Equipment

**Transformations**

See Phase transformations

**Transition**

See Transition elements

See Transition temperature

**Transition elements**

BT1 Metals

BT2 Elements

NT1 Chromium

NT1 Copper

NT1 Gold

NT1 Iron

NT1 Manganese

NT1 Molybdenum

NT1 Nickel

NT1 Platinum

NT1 Silver

NT1 Titanium

NT1 Tungsten

NT1 Vanadium

**Transition temperature**

BT1 Thermodynamic properties

BT2 Physical properties

NT1 Melting point

**Transmissibility**

Use Permeability

**Transmission**

See Electric power

See Heat transfer

**Transmissivity**

BT1 Hydrogeologic properties

RT Aquifers

**Transportation**

See Waste transportation

**Transuranium**

See Transuranium elements

**Transuranium elements**

BT1 Elements

**Traps**

BT1 Geologic structures

NT1 Stratigraphic traps

NT1 Structural traps

RT Cap rock

RT Natural gas deposits

RT Petroleum deposits

RT Rocks

**Travel time**

RT Seismic waves

See Acoustic travel time

**Treatment**

See Acidization

See Brines

See Liquid wastes

See Ph adjustment

See Shale control

See Waste disposal

See Waste processing

See Water treatment

**Treatments**

See Theoretical treatments

**Trenches**

Use Submarine trenches

**Trend**

See Facies maps

See Net sand maps

See Sand percent maps

See Sand trend maps

See Trend analysis

See Trend maps

**Trend analysis**

BT1 Mathematics

RT Trend maps

**Trend maps**

BT1 Stratigraphic maps

BT2 Maps

NT1 Sand trend maps

RT Trend analysis

RT Trends

**Trend surface analysis**

Use Trend analysis

**Trends**

RT Trend maps

**Triassic**

See Triassic Period

**Triassic Period**

BT1 Mesozoic Era

BT2 Geologic times

**Tridymite**

BT1 Silica minerals

BT2 Minerals

**Troposphere**

BT1 Earth atmosphere  
RT Air  
RT Stratosphere

**Tuff**

BT1 Pyroclastic rocks  
BT2 Extrusive rocks

**Tungsten**

BT1 Transition elements  
BT2 Metals

**Turbine**

See Binary cycle power generation  
See Gas turbine power plants  
See Gas turbine power generation  
See Steam turbine power generation

**Turbines**

NT1 Gas turbines  
NT1 Steam turbines  
RT Working fluids  
Also see Gas turbine power generation  
Also see Steam power plants  
Also see Steam turbine power generation

**Turkey**

BT1 Middle East  
BT1 Asia  
BT2 Continents

**Two phase**

See Two phase flow

**Two phase flow**

BT1 Fluid flow  
RT Boiling  
RT Flashing  
RT Heat transfer  
RT Liquid flow

**Types**

See Document types

**Uinta**

See Uinta Basin  
See Utah

**Uinta basin**

BT1 Geologic provinces  
RT Utah

**Unconfined**

See Aquifers  
See Ground water

**Unconfined aquifers**

Use Aquifers

**Unconfined ground water**

Use Ground water

**Underground**

See Injection wells  
See Salt deposits  
See Seismic S waves  
See Underground disposal  
See Underground explosions

**Underground disposal**

BT1 Waste disposal  
BT2 Waste management  
RT Injection wells  
RT Salt deposits

**Underground explosions**

BT1 Explosions  
RT Contained explosions  
RT Seismic S waves

**Underpressure**

Use Subnormal formation pressure

**Union**

See USSR

**Union of Soviet Socialist Republics**

Use USSR

**United**

See USA

**United States**

Use USA

**United States of America**

Use USA

**Unwatering**

Use Dewatering

**Uplifts**

BT1 Geologic structures  
RT Structural geology  
RT Tectonics

**Ural**

See Urals

**Ural Mountains**

Use Urals

**Urals**

BT1 Mountains

RT Asia

RT Europe

RT USSR

**Uranium**

BT1 Actinides

BT2 Metals

Also see Uranium compounds

**Uranium compounds**

**Urban**

See Sociology

See Urban areas

See Urban populations

See Zoning

**Urban areas**

RT Urban populations

RT Zoning

**Urban populations**

BT1 Human populations

BT2 Populations

RT Sociology

RT Urban areas

**Use**

See Land pollution

See Ownership

See Public lands

See Zoning

**Uses**

RT Direct energy utilization

RT Exploitation

**Utah**

BT1 USA

BT2 North America

RT Uinta Basin

**Utilities**

Also see Natural gas

Also see Power generation

Use Public utilities

**Utilization**

Also see Commercialization

Also see Direct energy  
utilization

Also see Feasibility studies

Also see Industry

Use Uses

**US**

See US organizations

See US AEC

See US Bureau of Reclamation

See US DOE

See US EPA

See US ERDA

**US organizations**

BT1 National organizations

NT1 LASL

NT1 US AEC

NT1 US Bureau of Reclamation

NT1 US DOE

NT1 US EPA

NT1 US ERDA

**US Atomic Energy Commission**

Use US AEC

**US AEC**

BT1 US organizations

BT2 National organizations

**US Bureau of Reclamation**

BT1 US organizations

BT2 National organizations

**US DOE**

BT1 US organizations

BT2 National organizations

RT US ERDA

**US EPA**

BT1 US organizations

BT2 National organizations

**US ERDA**

BT1 US organizations

BT2 National organizations

RT US DOE

RT USA

**USA**

BT1 North America

BT2 Continents

NT1 Alabama

RT Gulf Coast

RT US ERDA

**USSR**

- RT Asia
- RT Caspian Basin
- RT Caspian Sea
- RT Europe
- RT Urals
- RT Volga River

**Vadose**

- See Free water
- See Vadose water
- See Water table

**Vadose water**

- BT1 Subsurface waters
- RT Free water
- RT Water table

**Valles**

- See Valles Caldera  
Geothermal Field
- See Vapor dominated systems

**Valles Caldera**

- See Valles Caldera  
Geothermal Field
- See Vapor dominated systems

**Valles Caldera Geothermal Field**

- BT1 Geothermal fields
- BT1 New Mexico
- BT2 USA
- BT3 North America
- RT Vapor dominated systems

**Valley**

- See Geothermal fields
- See Great Valley
- See Imperial Valley
- See Mono-long Valley KGRA
- See Rift valleys
- See San Joaquin Valley

**Valleys**

- See Fault systems
- See Faults
- See Rift valleys
- See Tectonics

**Value**

- See Aqueous solutions
- See Ph adjustment
- See Ph value

**Vanadium**

- BT1 Transition elements
- BT2 Metals

**Vapor**

- See Liquids
- See Saturated vapor
- See Steam
- See Vapor condensers
- See Vapor dominated systems
- See Vapor generators
- See Vapor pressure
- See Vapor separators
- See Vapor solubility
- See Vapors
- See Volatility
- See Water
- See Water vapor

**Vapor (saturated)**

- Use Saturated vapor

**Vapor condensers**

- BT1 Condensers
- NT1 Steam condensers
- RT Cooling towers

**Vapor dominated systems**

- BT1 Hydrothermal systems
- BT2 Geothermal systems
- RT Geysers Geothermal Field
- RT Larderello Geothermal  
Field
- RT Valles Caldera  
Geothermal Field

**Vapor generators**

- NT1 Steam generators
- RT Vapors

**Vapor pressure**

- BT1 Thermodynamic properties
- BT2 Physical properties
- RT Volatility

**Vapor separators**

- NT1 Steam separators
- RT Vapors

**Vapor solubility**

- BT1 Solubility
- BT2 Chemical properties

**Vaporizing**

- Use Evaporation

**Vapors**

- BT1 Gases
- BT2 Fluids
- NT1 Water vapor
- RT Evaporation
- RT Liquids
- RT Saturated vapor
- RT Vapor generators
- RT Vapor separators

**Variations**

- See Seasons

**Velocity**

- NT1 Sound velocity
- RT Flow rate
- RT Kinetic energy
- RT Rates

**Velocity of sound**

- Use Sound velocity

**Vermillion**

- NT1 Beulah Simon No. 2 Well
- See Vermillion Parish

**Vermillion Parish**

- BT1 Louisiana
- BT2 Gulf Coast

**Vicksburg**

- See Louisiana
- See Mississippi
- See Texas

**Vicksburg Formation**

- RT Louisiana
- RT Mississippi
- RT Texas

**Virginia**

- See West Virginia

**Viscosity**

- RT Fluid flow
- RT Rheology

**Vitrinite**

- BT1 Organic matter
- RT Coal

**Volatility**

- BT1 Thermodynamic properties
- BT2 Physical properties
- RT Evaporation
- RT Flammability
- RT Vapor pressure

**Volcanic**

- See Volcanism
- See Volcanoes

**Volcanic activity**

- Use Volcanism

**Volcanic regions**

- RT Volcanism
- RT Volcanoes

**Volcanicity**

- Use Volcanism

**Volcanism**

- BT1 Geologic processes
- RT Hydrothermal stage
- RT Lava
- RT Magma reservoirs
- RT Plate tectonics
- RT Pyroclastic rocks
- RT Rift valleys
- RT Volcanic regions
- RT Volcanoes

**Volcanoes**

- RT Volcanic regions
- RT Volcanism
- Also see Mud volcanoes

**Volga**

- See USSR
- See Volga River

**Volga River**

- BT1 Europe
- BT2 Continents
- BT1 Rivers
- BT2 Streams
- RT USSR

**Volume**

- BT1 Physical properties
- RT Density

**Vulcanism**

- Use Volcanism

**Wairakei**

- See Hot water systems
- See Wairakei Geothermal Field

**Wairakei Geothermal Field**

- BT1 Geothermal fields
- BT1 New Zealand
- BT2 Australasia
- RT Hot water systems

**Wairakite**

- BT1 Zeolites
- BT2 Silicate minerals

**Warm**

- See Warm springs

**Warm springs**

- BT1 Thermal springs
- BT2 Water springs

**Warming**

- See Agriculture

**Washing**

- RT Scrubbing

**Washington**

- BT1 USA
- BT2 North America

**Waste**

- See Disposal wells
- See Gaseous wastes
- See Gravel packing
- See Injection pumps
- See Injection wells
- See Liquid wastes
- See Radioactive wastes
- See Recovery processes
- See Salt deposits
- See Scrubbers
- See Solid wastes
- See Surface equipment
- See Waste disposal
- See Waste heat
- See Waste management
- See Waste storage
- See Waste transportation
- See Waste water
- See Wastes
- See Water
- See Water pollution

**Waste disposal**

- BT1 Waste management
- BT2 Management
- NT1 Stack disposal
- NT1 Surface disposal
- NT1 Underground disposal
- RT Brine treatment
- RT Disposal formations
- RT Disposal wells
- RT Fault activation
- RT Gaseous wastes
- RT Gravel packing
- RT Injection wells
- RT Liquid wastes
- RT Radioactive wastes
- RT Saline aquifers
- RT Salt deposits
- RT Solid wastes
- RT Surface equipment
- RT Suspended solids
- RT Waste water
- RT Wastes
- RT Water pollution

**Waste heat**

- BT1 Wastes
- RT Aquaculture
- RT Thermal effluents
- RT Thermal pollution

**Waste injection**

- RT Injectivity
- RT Injectability
- RT Injection pumps

**Waste management**

- BT1 Management
- NT1 Waste disposal
- NT1 Waste processing
- NT1 Waste storage
- NT1 Waste transportation
- RT Radioactive wastes
- RT Recovery processes
- RT Wastes

**Waste processing**

- BT1 Processing
- BT1 Waste management
- BT2 Management
- NT1 Materials recovery
- RT Liquid wastes
- RT Radioactive wastes
- RT Recovery processes
- RT Scrubbers



**Waste storage**

- BT1 Waste management
- BT2 Management

**Waste transportation**

- BT1 Waste management
- BT2 Management

**Waste treatment**

- Use Waste processing

**Waste water**

- BT1 Liquid wastes
- BT2 Wastes
- RT Waste disposal
- RT Water
- RT Water pollution

**Waste water disposal**

- Use Waste water
- Use Waste disposal

**Wastes**

- NT1 Gaseous wastes
- NT1 Liquid wastes
- NT1 Radioactive wastes
- NT1 Solid wastes
- NT1 Waste heat
- RT Pollution
- RT Recovery processes
- RT Waste disposal
- RT Waste management
- RT Water pollution
- Also see Dissolved solids
- Also see Gases
- Also see Ground water
- Also see Mineral wastes
- Also see Surface waters
- Also see Waste management
- Also see Water

**Water**

- NT1 Brackish water
- NT1 Drinking water
- NT1 Fresh water
- NT1 Rain water
- NT1 Salt water
- RT Atmospheric precipitations
- RT Ground water
- RT Hydrates
- RT Hydrosphere
- RT Jets
- RT Liquid wastes
- RT Steam
- RT Subsurface waters
- RT Surface waters
- RT Waste water
- RT Water pollution
- RT Water quality
- RT Water requirements
- RT Water resources
- RT Water vapor
- Also see Air monitoring
- Also see Aquifers
- Also see Artesian water
- Also see Brines
- Also see Capillary water
- Also see Connate water
- Also see Dewatering
- Also see Dissolved gases
- Also see Fluid withdrawal
- Also see Free water
- Also see Gas saturation
- Also see Ground water
- Also see Ground water recharge
- Also see Hot water
- Also see Hot water heating
- Also see Hot water systems
- Also see Hydraulic fracturing
- Also see Hygroscopic water
- Also see Interstitial water
- Also see Jets
- Also see Juvenile water
- Also see Legal aspects
- Also see Meteoric water
- Also see Oil production
- Also see Oil saturation
- Also see Oil wells
- Also see Overdraft
- Also see Pollution control equipment
- Also see Rain
- Also see Reservoir engineering
- Also see Reservoir rocks

Also see Salinity  
Also see Sandstone  
Also see Sea water  
Also see Seas  
Also see Solutions  
Also see Steam  
Also see Subsurface waters  
Also see Surface waters  
Also see Vadose water  
Also see Waste disposal  
Also see Waste water  
Also see Water analysis  
Also see Water influx  
Also see Water management  
Also see Water monitoring  
Also see Water pollution  
    abatement  
Also see Water pollution  
    control  
Also see Water production  
Also see Water quality  
Also see Water requirements  
Also see Water reservoirs  
Also see Water resources  
Also see Water springs  
Also see Water table  
Also see Water treatment  
Also see Water vapor

**Water analysis**

BT1 Analysis  
RT Air analysis  
RT Dissolved gases  
RT Dissolved solids  
RT Odor  
RT Water monitoring  
RT Water pollution

**Water conditioning**

Use Water treatment

**Water entry**

RT Ground water recharge  
RT Water production  
See Encroachment (water)  
See Intrusion

**Water fracturing**

Use Hydraulic fracturing

**Water inflow**

Use Water influx

**Water influx**

RT Aquifers  
RT Injection  
RT Leakage

**Water jets**

Use Jets

**Water level**

Use Water table

**Water management**

BT1 Management  
RT Ground water  
RT Irrigation  
RT Water resources

**Water monitoring**

BT1 Monitoring  
RT Air monitoring  
RT Water analysis  
RT Water pollution

**Water pollution**

BT1 Pollution  
RT Environmental effects  
RT Fouling  
RT Waste disposal  
RT Waste water  
RT Wastes  
RT Water  
RT Water analysis  
RT Water monitoring  
RT Water pollution abatement  
RT Water pollution control  
RT Water quality

**Water pollution abatement**

BT1 Abatement  
RT Pollution control  
    equipment  
RT Water pollution  
RT Water pollution control

**Water pollution control**

BT1 Pollution control  
    BT2 Control  
RT Water pollution  
RT Water pollution abatement

**Water production**

BT1 Production  
RT Formation testing  
RT Oil production  
RT Production testing  
RT Water entry  
RT Well testing

**Water purification**

Use Water treatment

**Water quality**

RT Drinking water  
RT Irrigation  
RT Water  
RT Water pollution  
RT Water treatment

**Water recovery**

Use Water production

**Water requirements**

RT Water  
RT Water resources

**Water reservoirs**

BT1 Surface waters  
NT1 Cooling ponds  
RT Basins  
RT Fresh water  
RT Lakes  
RT Reservoir engineering  
RT Water resources

**Water resources**

BT1 Resources  
RT Ground water  
RT Rain water  
RT Subsurface waters  
RT Surface waters  
RT Water  
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