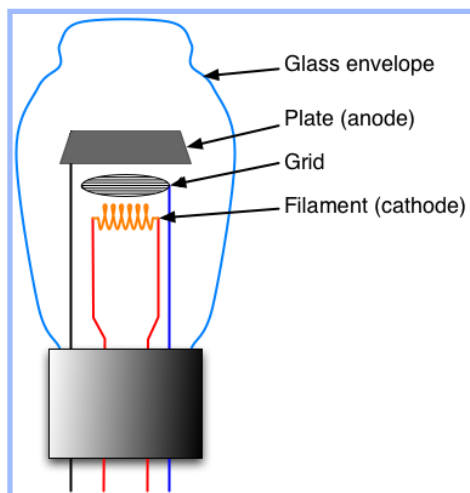


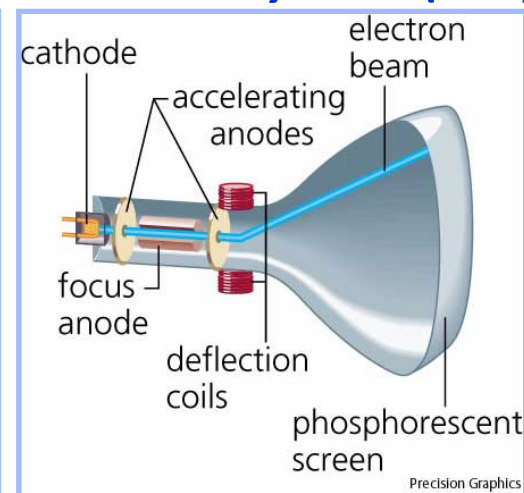
The Next Semiconductor Revolution: This Time It's Lighting!

Your Grandparents' *Vacuum Triode*



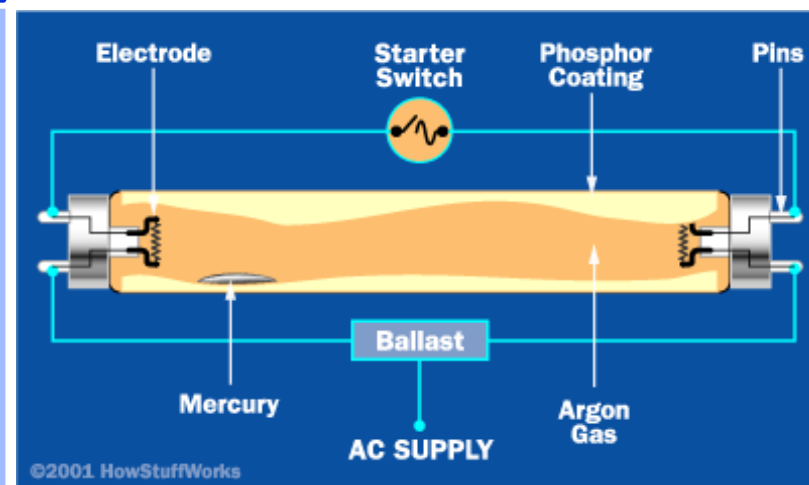
Triode vacuum tube.
http://commons.wikimedia.org/wiki/File:Triode_vacuum_tube.png

Your Parents' *Cathode Ray Tube (CRT)*



From Dictionary.com.
<http://dictionary.reference.com/illustration.html#d4/cathode-ray%20tube/cathry>

Your *Fluorescent Tube*



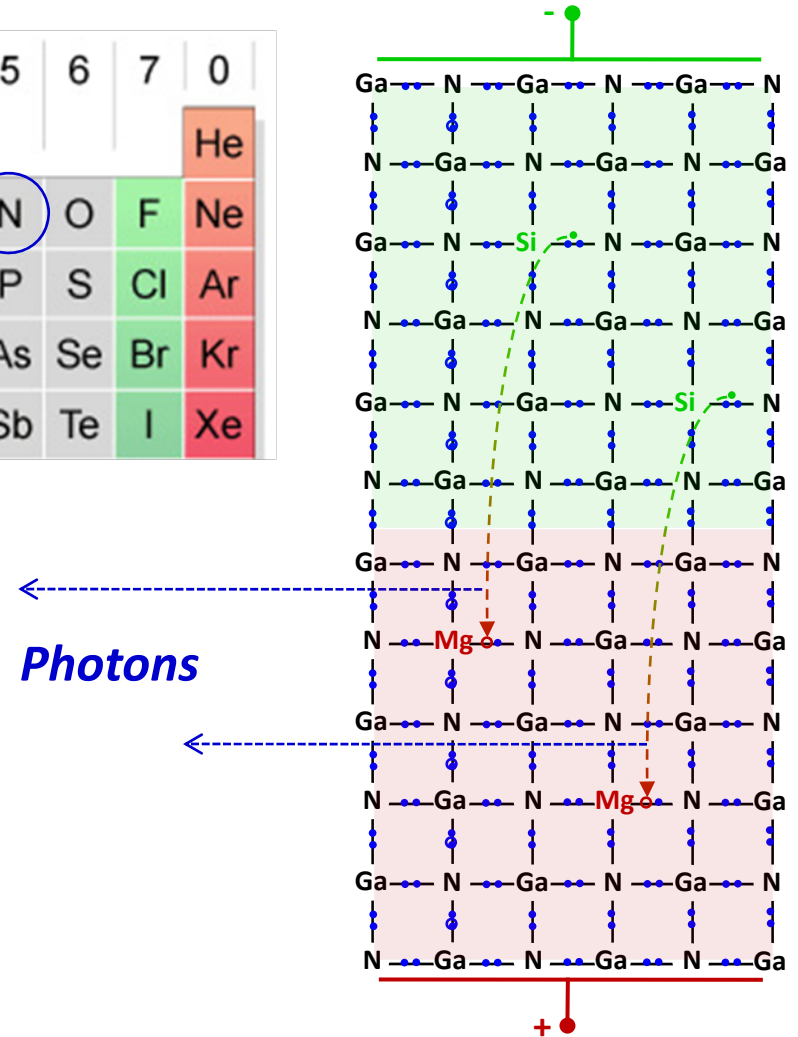
How Fluorescent Lamps Work. <http://home.howstuffworks.com/fluorescent-lamp4.htm>

Jeff Tsao · Physical, Chemical & Nano Sciences Center · Sandia National Laboratories

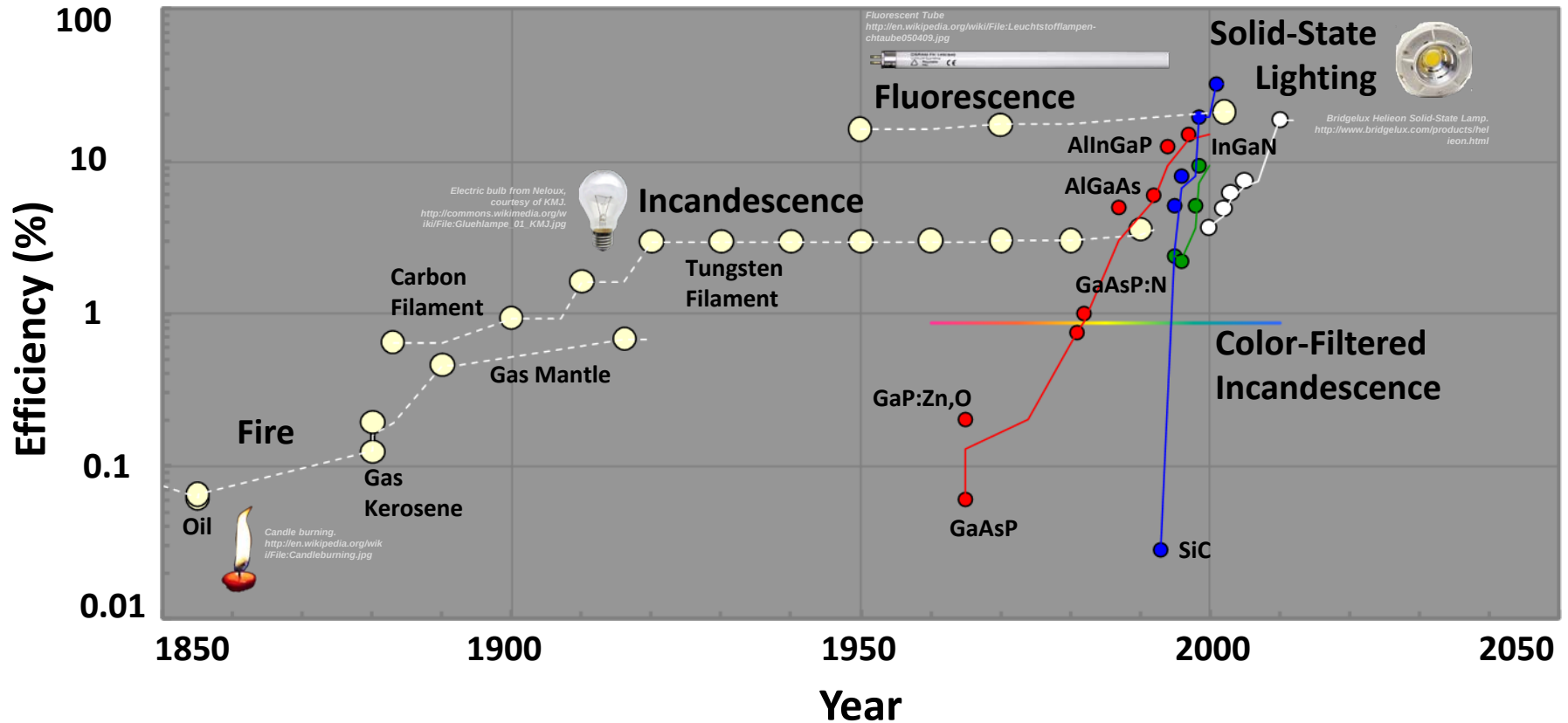
Semiconductor Light-Emitting Diode (LED)

1	2											3	4	5	6	7	0
H																	He
Li	Be											B	C	N	O	F	Ne
Na	Mg											Al	Si	P	S	Cl	Ar
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe

The periodic table, courtesy of BBS.
<http://www.bbc.co.uk/schools/gcse/bitesize/science/edexcel/patterns/periodictablerev1.shtml>



200 Years of Lighting Technology

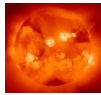


Light-Emitting Diodes and Applications for Colored Light



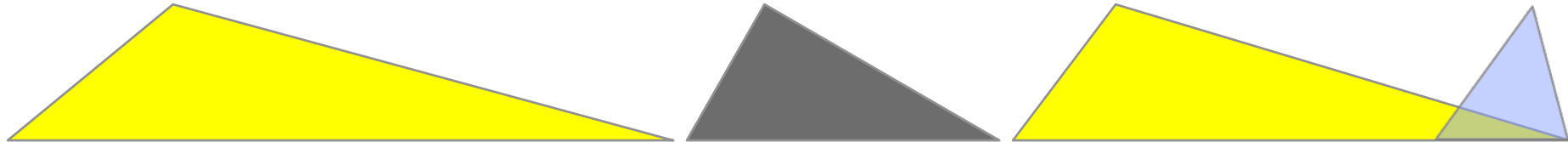
LED Traffic Light, courtesy of Syafiqshahalam.
http://en.wikipedia.org/wiki/File:LED_Traffic_Lights.jpg

Light from the Sun and Moon: Trilobites, Birds, Mammals, Primates, Humans



Full-disk view of the X-ray Sun and was produced by the Yohkoh solar observatory in 1991.
http://en.wikipedia.org/wiki/File:Yohkoh_image.gif

Full moon view from Earth in Belgium, courtesy of Luc Viatour.
http://en.wikipedia.org/wiki/File:Full_Moon_Luc_Viatour.jpg



Asaphus species (Trilobite) picture taken by DanielCD.
http://en.wikipedia.org/wiki/File:Asaphus_species_trilobite.jpg



Red Lory (Eos bornea) upper body preening feathers.
http://en.wikipedia.org/wiki/File:Red_Lory_%28Eos_bornea%29-6.jpg



Gray wolf, canis lupus, courtesy of Chris Muiden.
http://en.wikipedia.org/wiki/File:Canis_lupus_265b.jpg

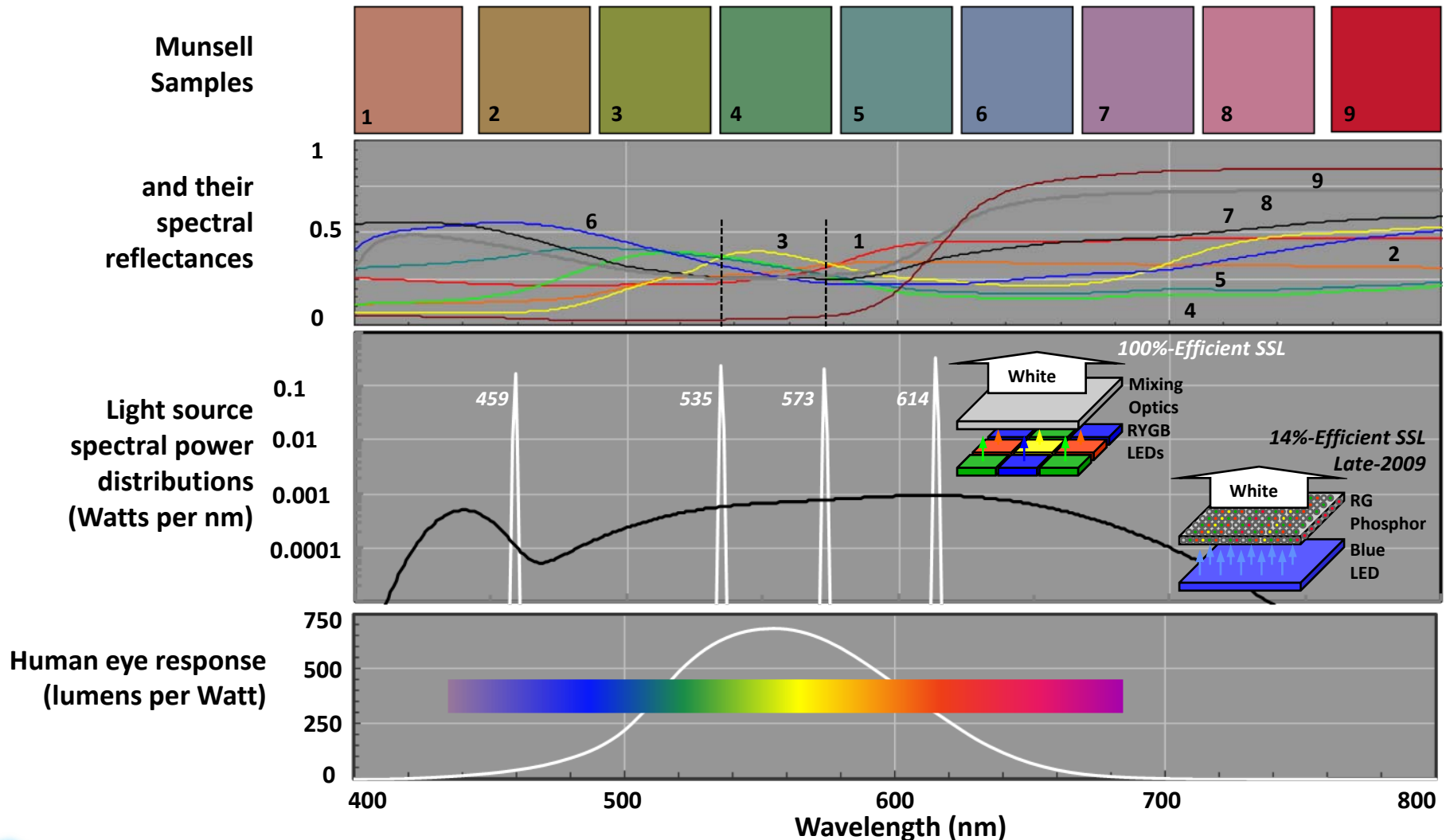


Olive baboon in Kenya; courtesy of Ryan Harvey;
http://en.wikipedia.org/wiki/File:Male_Olive_Baboon_2.jpg

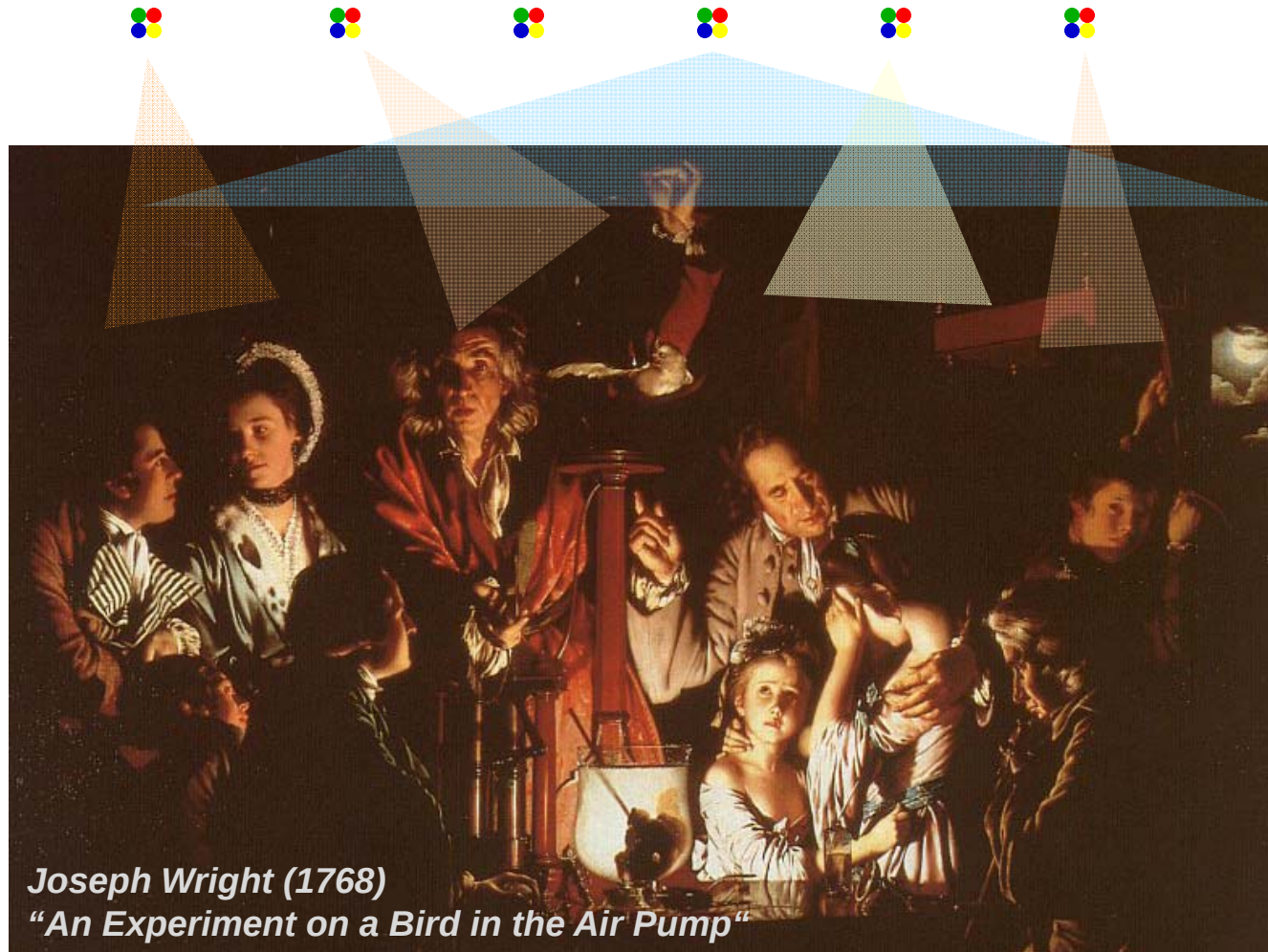


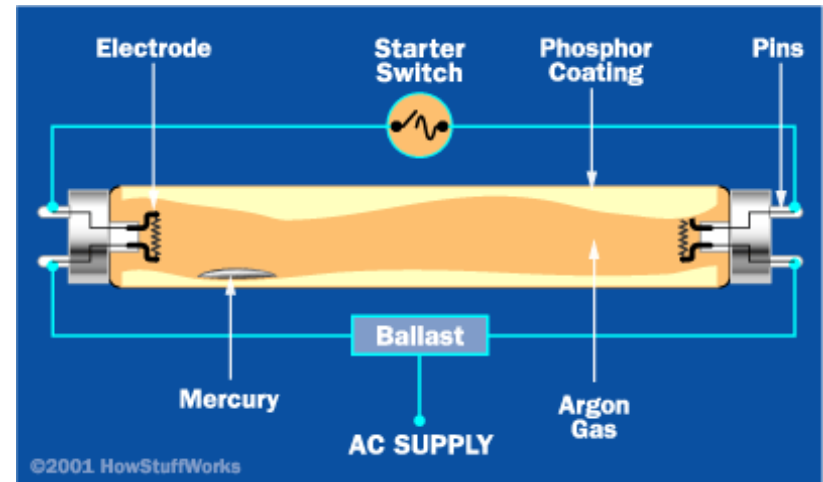
A baby wearing many items of winter clothing: headband, cap, fur-lined coat, shawl and sweater. Courtesy of Andrew Vargas, Clovis, United States.
http://en.wikipedia.org/wiki/File:Well-clothed_baby.jpg

Making White Light from Colored Light



Solid-State Lighting and Applications for White Light





How Fluorescent Lamps Work. <http://home.howstuffworks.com/fluorescent-lamp4.htm>

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