

the technologists' prayer. Such a dual answer has not seemed very likely in the past.

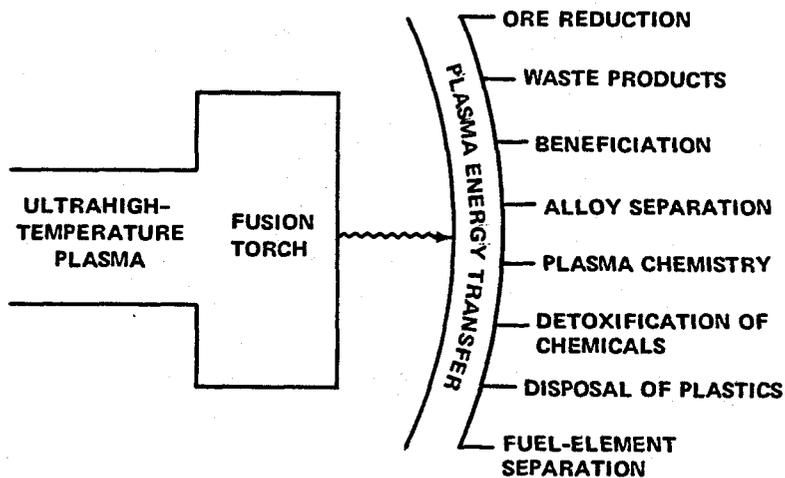


Figure 4. Fusion torch applications (Case 1).

Figure 4 shows some of the things that might be accomplished using the fusion torch. With this system the plasma energy is used to vaporize and ionize solid material, converting initially complex chemical compositions into an ionized gas consisting only of elements. The elements could then be separated by a variety of techniques. Toxic chemicals could be reduced to their basic constituents, ores reduced, and alloys separated.

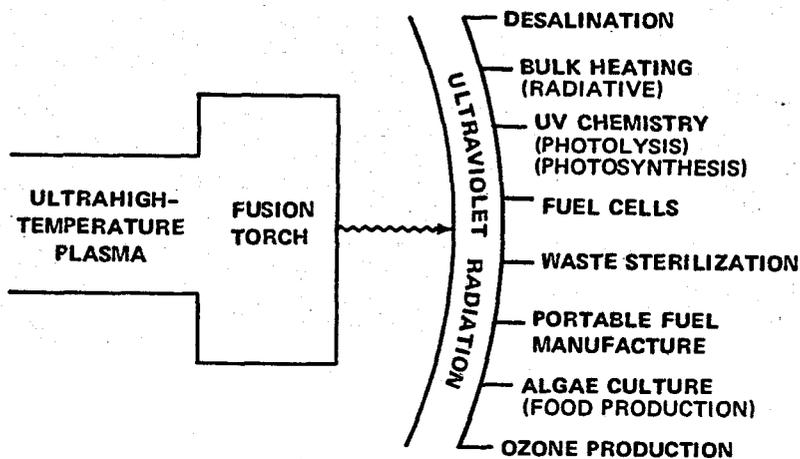


Figure 5. Fusion torch applications (Case 2).