

Toxic vs Hazardous

- Toxicity of a substance is an inherent property of the substance
 - Lead is a toxic substance but water is relatively non-toxic
- Whether a substance is hazardous or not depend on how it is used.
 - A block of metallic lead on the ground is not hazardous but a metal if heated becomes a fume then it is hazardous.

Asphyxiants:

- Biologically inert but can replace oxygen and thus cause suffocation
 - Carbon dioxide, helium
- Chemical Asphyxiants: They cause a chemical change to occur in the body resulting in insufficient of oxygen to cells and thus suffocation
 - Carbon monoxide and hydrogen cyanide

Anesthetics:

- On exposure to these substances a loss of feeling occurs
- Required for surgical operations
- ether and chloroform are anesthetics