

**AIM:** \_\_\_\_\_

**Toxicology** - the study of the adverse effects of chemicals on living organisms

**Toxicity** - how harmful a substance is

DOSE	RESPONSE
Type of Exposure (dose): 1. <hr/> 2. <hr/> 3.	Type of Response: 1. <hr/> 2.

### Routes of Exposure



## Chemical Interactions

1.

2.

3.

## Hazardous Chemical Classifications

1.

2.

3.

4.

## Toxic Chemicals (Poisons)

LD<sub>50</sub>

### EPA's "Toxic 5"

PCBs  
 halogenated chlorofluoroalkanes  
 hexavalent chromium  
 dioxins  
 asbestos

### The Toxic Substances Control Act (TSCA) 1976

Its three main objectives were to:

- (1) assess and regulate new commercial chemicals before they enter the market,
- (2) to regulate chemicals already existing in 1976 that posed an "unreasonable risk to health or to the environment", as for example PCB's, lead, mercury and radon (a radioactive gas)
- (3) to regulate these chemicals' distribution and use.