AIM: What determines the harm a chemical can cause?

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

Toxicity - how harmful a substance is



Chemical Interactions

1. <u>Additive</u> – sum of individual effects (chemicals don't affect each other)

2. <u>Synergistic</u> – a response greater than the sum of the individual chemicals

3. Antagonistic – reduce harmful effects of chemicals



AP Environmental Science Topic 4 – Toxicology and Human Health