

AIR POLLUTION: ALL THINGS SHARE THE SAME BREATH

A. Definitions

1. Primary Air Pollutants
2. Secondary Air Pollutants
3. Natural Pollutants
4. Anthropogenic Pollutants

B. Secondary Pollutants

1. Causes
2. Consequences

C. Sources of Pollution

1. Transportation
2. Industry

D. How Climate Affects Air Pollution

1. Thermal Inversions
2. Heat Islands/Dust Domes

E. How Air Pollution Alters Climate

1. Effects on Temperature
 - a) pollutants may cause heating

b) pollutants may cause cooling

c) role of clouds in the Greenhouse Effect

2. Effects on Solar Radiation

3. Effects on Precipitation

a) pollutants may increase precipitation

b) pollutants may change chemistry of precipitation

F. Controlling Air Pollution

1. Output Control Methods

2. Input Control Methods