

Chapter 16 Air Pollution

There are both natural and anthropogenic sources of air pollutants. Primarily, SO_x , NO_x , CO_2 , O_3 , particulates, VOCs, and heavy metals are important pollutants to know. The sources of each pollutant, along with the environmental effects of each, are fundamental concepts in environmental science.

How topography affects air quality is also a key concept. Temperature inversions are important to understand. Air pollution is a global problem, and air currents play a role in dispersing the pollutants.

It is important to understand CFCs and the effects on stratospheric ozone. The equations that explain the chemical reactions can help to explain how ozone depletion occurs. In addition, ozone depletion has implications on the environment and human health.

The Montreal Protocol and the Clean Air Act are two key pieces of legislation. It is also necessary to know and understand how to remediate environmental issues. We must think critically to analyze situations and environmental problems.