

Key Terms and Concepts

Upon completion of this course, the student should be familiar with the following terms, concepts, and programs.

Air pollutants

Primary pollutant

Secondary pollutant

Sulfur dioxide

Lead

Nitrogen dioxide

Hydrocarbons

Volatile Organic Compounds (VOCs)

Particulate matter pollution

PM 10 and PM 2.5

Carbon dioxide

Carbon monoxide

Stationary and mobile sources of air pollution

Hazardous air pollutants (air toxics)

Tropospheric ozone

Ozone-depleting substances

Halogens

Halons

Chlorofluorocarbons (CFC)

Methyl bromide –for soil fumigation, structural use, quarantine and pre shipment use, emergency use, critical use

Greenhouse gases – natural and synthetic

Effects of Air pollution

Smog

Acid rain

Interstate air pollution

International air pollution

Stratospheric ozone

Ozone depletion potential (ODP)

Dobson Unit (DU)

Ozone-benign technology

Radiative forcing

Climate change

Global warming potential

Atmospheric residence time

Carbon dioxide fertilization effect

Links:

Pollution related information and agencies involved – the United States:

Air Pollution -Medline Plus

<http://www.nlm.nih.gov/medlineplus/airpollution.html>

Score Card – The Pollution Information Site

<http://www.scorecard.org/env-releases/us-main-map.tcl>

Program on Air Quality – Agricultural Research Services (ARS)

http://www.ars.usda.gov/research/programs/programs.htm?np_code=203&docid=323&page=4

US Public Interest Research group

<http://uspirg.org/uspirg.asp?id2=24364>

Pollution related information and agencies involved – International:

Links to environmental data and processing centers

<http://www.wmo.ch/web/ddbs/Env-data-links.html>

Regional Air pollution in Developing Countries

<http://www.york.ac.uk/inst/sei/rapidc2/rapidc-over.html>