

DEFINE anthropogenic
STATE the pH range for acid deposition
STATE the two countries in the world with the worst air pollution
STATE the main type of trash found in the ocean gyres around the world
LIST different types of wastewater mentioned in the textbook
LIST possible disposal methods for sewer sludge
LIST possible sources of petroleum found in the ocean
LIST appropriate methods used in containing oil spills (in the ocean)
LIST negative consequences associated with sediment pollution
LIST source(s) of sulfur dioxide emissions
LIST health effects associated with living in large urban areas that have high levels of particulates in the air
LIST 6 criteria air pollutants specified under the Clean Air Act
LIST problems associated with acid deposition
OUTLINE cultural eutrophication
OUTLINE septic systems and where they are commonly used
OUTLINE primary, secondary and tertiary treatment of sewage treatment
OUTLINE the role(s) of bacteria in wastewater treatment
OUTLINE a benefit of using cooling towers with closed systems for industrial processes
OUTLINE the cause(s), effect(s) and formation of smog
OUTLINE the carbon monoxide (CO) poisoning
OUTLINE how thermal inversions occur
OUTLINE environmental improvements contributed to the Clean Air Act
OUTLINE catalytic converters and their role in pollution
OUTLINE the chemical breakdown of stratospheric ozone
OUTLINE how stratospheric ozone is beneficial to living organisms
OUTLINE the Montreal Protocol
OUTLINE the Kyoto Protocol
OUTLINE indoor air pollution from radon 222
DESCRIBE a dead zone
DESCRIBE the events involved in eutrophication
DESCRIBE why mercury is such a concern once it is introduced into the environment
DESCRIBE the formation of acid deposition
DESCRIBE asbestos
DESCRIBE sick building syndrome
CALCULATE barrels of oil leaked in a spill (math word problem)
IDENTIFY an example of a nonpoint source of water pollution
IDENTIFY the nutrients most commonly responsible for eutrophication
IDENTIFY the class of carcinogens formerly used in the production of plastics
IDENTIFY protections afforded by the Clean Water Act
IDENTIFY an anthropogenic source(s) of nitrogen oxides
IDENTIFY the main anthropogenic source(s) of carbon dioxide
IDENTIFY a secondary air pollutant involved in the formation of photochemical smog
IDENTIFY costs associated with low brown clouds over urban centers
IDENTIFY potential health concerns resulting from a thinning ozone layer

IDENTIFY the VOC common in particle boards and glues and is dangerous to human health

COMPARE point and nonpoint source pollution

COMPARE cultural eutrophication and eutrophication

COMPARE pollution legislation (laws and regs) in developing and developed countries

COMPARE stratospheric and tropospheric ozone

DISCUSS the environmental costs of moving contaminating industries to developing countries

EXPLAIN biological oxygen demand (BOD)

EXPLAIN the Clean Water Act