Chapter 17 Objectives: "Air and Air Pollution"

1. Describe the location of the troposphere and stratosphere.
2. Summarize ways in which humans disrupt Earth’s major gaseous nutrient cycles.
3. Distinguish between primary pollutant and secondary pollutant; stationary source and mobile source; photochemical smog and industrial smog
4. List the major classes of primary outdoor pollutants.
5. Describe a thermal inversion and conditions under which it is most likely to occur.
6. Define acid deposition.
7. Identify the level of risk that acid deposition creates for ecological systems and for human health.
8. Give one example of the interactions which can be set in motion by acid deposition.
9. List four strategies to prevent acid deposition.
10. Compare the risks of indoor and outdoor air pollution.
11. List the four most dangerous indoor air pollutants, potential health effects of each, and strategies for dealing with each.
13. Summarize the Clean Air Act and the Pollution Prevention Act (NOT IN TEXT).
14. List six criticisms that environmentalists make about the Clean Air Act.
15. List three prevention strategies and three cleanup strategies to reduce emissions from stationary air pollution sources.
17. List three prevention strategies and three cleanup strategies to reduce emission from motor vehicles.
18. List three prevention strategies and three cleanup strategies to reduce indoor air pollution.