Environmental Science
Air Pollution (Chapter 12)
Study Guide

1. What is air pollution? pg 325
2. What are the two main sources of pollution and examples of each? pg 325
3. What the two main categories of air pollution and the definition of each? pg 325
4. What is the main difference between the two major categories of air pollution?
5. What are the two main sources of primary pollutants? pg 325
6. What is “ground-level ozone”? How is it formed? pg 325
7. What are 5 major primary pollutants? pg 326
8. What are two devices that industries are required to use under the Clean Air Act in an effort to reduce pollution? What is the definition of each? pg 329
9. What is smog? pg 330
10. What effect do gravity and the atmosphere have on air pollution? In what areas do these factors not work? (notes)
11. What is temperature inversion? pg 330
12. What are some short-term effects of air pollution on health? pg 331
13. What are some long-term effects of air pollution on health? pg 331
14. What group(s) of people is/are most venerable? (notes)
15. What is sick-building syndrome? pg 332
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   b. What is the most effective way to maintain good indoor air quality? pg 332
   c. What is also necessary? pg 332
16. During which period in history did air pollution begin to become an issue? (notes)
17. What is Radon Gas? pg 334
   a. How is it formed? pg 334
   b. How does it get into buildings? pg 334
   c. What are the health risks? pg 334
18. What is acid precipitation? pg 336
   a. How does it form? pg 336
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19. What is pH? pg 336
   a. What is the scale for pH? pg 336
   b. What is the pH of normal rain? pg 337
   c. pH varies by what? pg 337
   d. Where is the most acidic precipitation in North America? pg 337
20. How does acid precipitation affect soil and plants? pg 337
21. How does acid precipitation affect humans (4 ways)? pg 338
22. Be sure to review the PowerPoint for air pollution on my OLC. It is in the Environmental Science section in two places. It is in the “Units” folder under air pollution and it is also located in the PowerPoints folder.