

## Chapter 24 review questions

As always, know all the terms...

1. What was “the London Smog” when was it and what type of feedback loop was involved?
2. List some of the effects of air pollution on each of the following  
visual aesthetics  
vegetation  
human health  
animals  
soil/water
3. Using table 24.2 - what are the sources of air pollutants
4. Contrast primary and secondary pollutants
5. Describe some natural emissions of air pollution.
6. Describe the sources and effects of each of the following  
Sulfur Dioxide  
Nitrogen oxides  
Carbon monoxide  
photochemical oxidants (be sure to discuss the main one)  
  
particulate matter  
  
lead  
hydrogen sulfide  
hydrogen fluoride  
other hazardous gases (give examples)
7. How do Las Vegas and Afar demonstrate the variability of air pollution?
8. What is an inversion layer and how does it impact air pollution?
9. What is “topography” and how does it impact air pollution?
10. Describe (bullet points ok) how photochemical smog develops throughout a day.
11. What are some strategies for decreasing urban air pollution in the US?
12. What type of problems are particularly bad in developing countries?
13. What is acid rain? What are the main causes of acid rain?
14. Describe how each of the following can be controlled.  
particulates

automobile pollution  
sulfur dioxide

15. What does the clean air act do and how is it enforced?

Use the Closer look 24.1 to answer the following

16. What are the causes of acid rain?

17. Outline the effects of acid rain.

18. How can acid rain be controlled?