Environmental Law
Unit 4- CLEAN AIR ACT (CAA)
Study Guide due Wednesday 2/26/20
Unit Test- Wednesday 2/26/20

Review all questions and terms below. For a written assignment, **answer the first TWELVE questions AND the EIGHT BOLD terms.**

All MUST answer these for their written study guide.

1. The CAA (as we know it today) was passed in 1970. What are the THREE main goals of the Act?
2. When was the CAA significantly amended? What was added?
3. List the SIX most common outdoor air pollutants measured under the CAA and tell ONE source and ONE problem for each.
4. What are the top sources of air pollution in the U.S.? List THREE.
5. Which TWO outdoor air pollutants are most common in the Willamette Valley?
6. When is EACH of the above pollutants a problem? Why?
7. What is acid rain and what causes it?
8. What is the difference between tropospheric/**ground-level ozone** and **stratospheric ozone**?
9. What causes **ozone layer depletion**?
10. What are the benefits of the **ozone layer**?
11. What are the health, environmental and cultural effects of stratospheric ozone depletion?
12. Describe THREE ways in which the CAA has been successful.

Review these questions but NO written answers are required.

13. How does our weather affect SPM and Ozone pollution in terms of their effects and presence? Explain ONE way for each pollutant.
14. What are THREE negative health effects that result from most air pollution?
15. Describe THREE negative environmental effects due to air pollution?
16. What are the health, environmental and cultural effects of acid rain?
17. What is the connection (or not) between ozone depletion and global warming?
18. When will the ozone layer be repaired?

Terms- Define the TEN BOLD terms in writing. Review the others for the quiz.

Lead	Nitrous Oxide (NOx)	Sulfur Dioxide (SO2)	UV radiation
Ground-Level ozone	acidic	Basic	pH scale
Troposphere	**stratosphere**	Particulates (SPM)	
Acid rain	**Ozone depletion**	**chlorofluorocarbons** (CFCs)	
Montreal Protocol	**temperature inversion**	Carbon Monoxide (CO)	
Copenhagen Protocol			