**AICE/AP Environmental Science Guided Reading: Atmospheric Pollution**

Using information from your textbook, and other book and internet resources, answer the following on a separate sheet in complete sentences. This assignment is due Wednesday, April 15, 2015 and is worth 20 points.

**Atmospheric Pollution** (Textbook chapter 15)

1. Pick three of the seven classes of major air pollutants and describe its source, effect on the atmosphere, and potential methods of mitigation.

2. What is the difference between primary and secondary pollutants? Provide examples of each.

3. What are some natural causes of atmospheric pollution and deposition? Describe at least two.

4. What legislation has been enacted to prevent anthropogenic air emissions? Describe at least one major act.

5. What is acid deposition, how is it formed, and what changes have occurred in its prevalence on Earth?

6. Describe three methods of atmospheric pollution control.

7. What is stratospheric ozone depletion and what are the major anthropogenic causes? Describe them.

8. What has been done to reduce stratospheric ozone depletion?

9. What are some significant sources of indoor air pollution and how do they differ in MEDCs and LEDCs?

10. What are some long-term, large scale consequences of atmospheric pollution? Describe, in detail, at least one.