

Mrs. Whittaker: Advanced Earth Science

Unit 2: Reading and Note Guide

Chapters 3 and 11

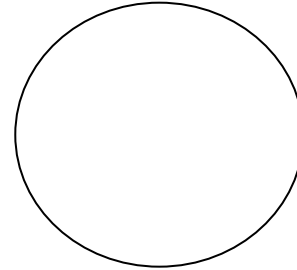
Assignment 4

Key Terms You Should See:

- Ozone
- Troposphere
- Stratosphere
- Mesosphere
- Thermosphere
- Ionosphere
- Exosphere
- Radiation
- Conduction
- Convection

Read pgs. 270 - 277

16. Use the circle to the right to sketch a pie chart showing the key gas components of our atmosphere.



17. Why are carbon dioxide and water vapor so important to our atmosphere? What role do they play?

18. What is ozone? Why is it important and where is it found?

19. What is the temperature range of the thermosphere? If the particles in this layer have such high temperatures, why would it feel cold to you?

20. What are the five different options for radiation from the Sun when it comes to Earth. (Check out figure 11-4)
21. What would happen to the Earth if we radiated too much energy back in to space? Too little?
22. Give an example and a quick sketch the illustrates each of the three different kinds of energy transfer.