**Atmosphere Test Review Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_**

**What to Study:** Heat Transfer Lab; Heating Land and Water Lab; Greenhouse Effect lab; Atmosphere Mural; Atmosphere Notes; Greenhouse Effect Notes, Transfer of Heat Notes, Bell Ringers; “Chasing Ice” film guide; Ozone Notes and reading; Evidence of Climate Change, and Carbon Cycling activities.

**Questions to answer**

1. What are the two most abundant gasses in the atmosphere?
2. What layer of the atmosphere do we live in and the weather occurs?
3. Explain the relationship of altitude and air pressure.
4. Diagram why Montana has summer and winter.

5. Why does the temperature in the stratosphere increase?

6. Why does the troposphere contain most of the atmosphere’s mass?

7. Explain why Seattle has less change in annual temperature than Spokane or Helena.

8. Explain the three types of heat transfer (conduction, radiation and convection).

9. What is coal used for and how does it fit in the carbon cycle?

10. Why is the health of the ozone layer so important to us?

11. Why is the hole in the ozone layer issue considered an environmental success story?

12. Describe three pieces of evidence for climate change.

13. What is the name and source of the chemical that is responsible for destroying the ozone layer in the Stratosphere?

14. Why do CO2 levels decrease in the spring and increase in the winter?

15. What are two greenhouse gases and what are their sources?

16. Describe the Carbon Cycle?

17. Diagram the Greenhouse Effect showing how it relates to climate change, include two greenhouse gasses and its source.

18. In one paragraph, describe the ozone layer and tell the reader how the ozone affects you and how you can help make the ozone healthier.

19. How have humans effected the Carbon Cycle and how can we help solve this problem?