

## Earth Systems and Atmosphere Exploration Sheet

Answer the questions below as you read about the Earth's systems and the atmosphere. Remember to answer in complete sentences.

1. What are spheres?
2. List the 4 spheres of the Earth with a two-word description of each.
3. How do the 4 spheres affect soil?
4. Using the example of carbon as a guide, describe how a forest fire may affect all 4 spheres.
5. What is the carbon cycle?
6. What human activities increase carbon dioxide concentrations in the atmosphere?
7. What is the water cycle?
8. How does water vapor affect climate change?
9. The three layers of the Earth's atmosphere are \_\_\_\_\_,  
\_\_\_\_\_, and \_\_\_\_\_.

10. What is the troposphere?

11. What is the stratosphere?

12. Why is ozone in the **troposphere** called “bad ozone”?

13. Why is ozone in the **stratosphere** called “good ozone”?