

## The Carbon Cycle: Quiz Activity

**Directions:** Read each question and select your answer in the space provided.

1. What is the chemical symbol for the element carbon?

Answer: \_\_\_\_\_

2. Name one of the forms that carbon can exist in, besides a carbon compound.

Answer: \_\_\_\_\_

3. What is the carbon cycle?

Answer: \_\_\_\_\_

4. List two examples of reservoirs where carbon is found.

Answer: \_\_\_\_\_

5. How have human activities disrupted the carbon cycle's balance?

Answer: \_\_\_\_\_

6. What is the name of the process by which plants and algae convert carbon dioxide from the atmosphere into glucose using sunlight?

Answer: \_\_\_\_\_

7. Write the chemical equation for photosynthesis.

Answer: \_\_\_\_\_

8. What is the name of the process that all living things undergo to release carbon dioxide into the atmosphere?

Answer: \_\_\_\_\_

9. What is a combustion reaction?

Answer: \_\_\_\_\_

10. What is the role of decomposers like bacteria and fungi in the carbon cycle?

Answer: \_\_\_\_\_

11. When you exhale, what carbon-containing gas are you releasing into the atmosphere?

Answer: \_\_\_\_\_