

Name \_\_\_\_\_

## Decomposition: Nature's Recycling Magic

### Multiple Choice Questions

1. What is decomposition?
  - a. The process of breaking down inorganic materials
  - b. The process of breaking down dead organisms and organic matter
  - c. The process of creating new organisms from existing ones
  - d. The process of converting CO<sub>2</sub> into oxygen
  
2. Which organisms are responsible for breaking down organic matter during decomposition?
  - a. Earthworms and birds
  - b. Bacteria, fungi, and insects
  - c. Trees and plants
  - d. Fish and amphibians
  
3. What role do bacteria and fungi play in decomposition?
  - a. They help create new organisms.
  - b. They break down organic matter into simpler substances.
  - c. They convert CO<sub>2</sub> into oxygen.
  - d. They enrich the soil with essential nutrients.
  
4. What is the byproduct of decomposition released into the atmosphere?
  - a. Oxygen
  - b. Nitrogen
  - c. Carbon dioxide (CO<sub>2</sub>)
  - d. Water vapor
  
5. How does decomposition contribute to the carbon cycle?
  - a. By releasing carbon dioxide into the atmosphere
  - b. By absorbing carbon dioxide from the atmosphere
  - c. By converting carbon dioxide into glucose
  - d. By storing carbon in the form of minerals

