

Name \_\_\_\_\_

## The Carbon Cycle Demystified: A Journey Through its Phases

### Multiple Choice Questions

1. What is the initial form of carbon in the carbon cycle?
  - a) Organic compounds
  - b) Carbon dioxide gas
  - c) Fossil fuels
  - d) Glucose
  
2. Which phase of the carbon cycle involves the capture of carbon by plants through photosynthesis?
  - a) Phase 1
  - b) Phase 2
  - c) Phase 4
  - d) Phase 7
  
3. What is the primary role of respiration in the carbon cycle?
  - a) To release oxygen into the atmosphere
  - b) To convert carbon into organic compounds
  - c) To return carbon dioxide to the atmosphere
  - d) To store carbon in soil
  
4. What is the phase that represents the movement of carbon up the food chain?
  - a) Phase 2
  - b) Phase 3
  - c) Phase 5
  - d) Phase 8
  
5. How do human activities impact the carbon cycle?
  - a) They have no impact on the carbon cycle.
  - b) They increase the amount of carbon stored in soil.
  - c) They release excessive carbon dioxide into the atmosphere.
  - d) They accelerate the fossilization process.

