

Name \_\_\_\_\_

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

### Open-Ended Response Questions

1. Describe the role of photosynthesis in the carbon cycle and its importance.
2. How does the carbon cycle illustrate the interconnectedness of Earth's systems?
3. Explain why the ocean is considered a critical player in regulating Earth's climate within the carbon cycle.
4. Describe one specific human activity that contributes to the release of excessive carbon dioxide into the atmosphere and its consequences.

