

Name _____

The Carbon Cycle Demystified: A Journey Through its Phases

Short Answer Key

1. Glucose
2. Decomposers break down dead organisms and organic matter, releasing carbon into the soil as organic material.
3. Geological processes, such as weathering and erosion, slowly release carbon from rocks into the atmosphere, completing the carbon cycle.
4. The ocean acts as a carbon sink by absorbing and storing large amounts of carbon dioxide from the atmosphere, helping to regulate Earth's climate.
5. It is essential for humans to reduce their impact on the carbon cycle because activities such as burning fossil fuels and deforestation release excessive carbon dioxide into the atmosphere, contributing to global warming and climate change.

