

**Curriculum Unit
Title**

Carbon's Trip Through Earth's Spheres

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KEY LEARNING, ENDURING UNDERSTANDING, ETC.

Students model and explore conservation of matter through the cycling of carbon and apply knowledge to real-world scenarios.

ESSENTIAL QUESTION(S) for the UNIT

How do human activities impact the cycling of carbon and the overall conservation of matter?

CONCEPT A

Earth's Spheres

CONCEPT B

Carbon Cycle

ESSENTIAL QUESTIONS A

What are the four major spheres on Earth?

ESSENTIAL QUESTIONS B

How is matter conserved through the cycling of carbon?

VOCABULARY A

Geosphere
Hydrosphere
Biosphere
Atmosphere

VOCABULARY A

Cellular respiration
Photosynthesis
Consumption
Decomposition
Gas Exchange

ADDITIONAL INFORMATION/MATERIAL/TEXT/FILM/RESOURCES

Empty box for additional information, material, text, film, or resources.