

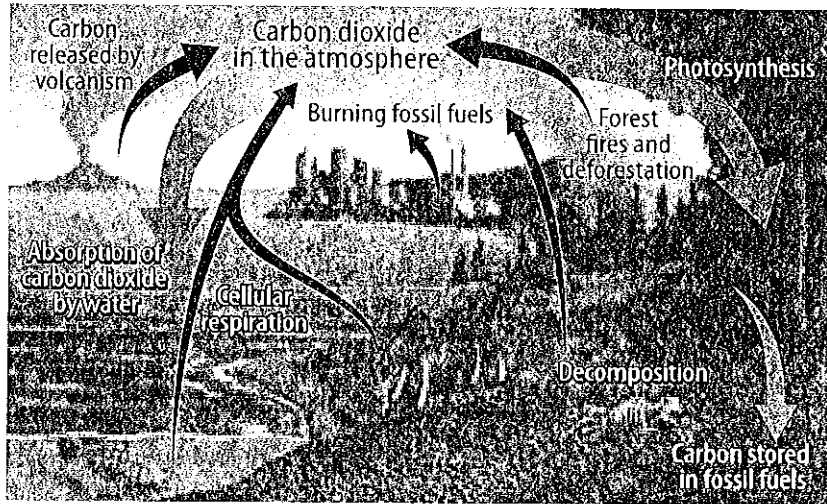
Key Concept Builder 

LESSON 1

Earth Systems and Interactions

Key Concept How do Earth systems interact in the carbon cycle?

Directions: Use the diagram to respond to each statement on the lines provided.



1. **Name** three processes in the carbon cycle that are associated with natural events.

2. **Name** two processes in the carbon cycle that are associated with human activities.

3. Give one example of how the geosphere and atmosphere interact in the carbon cycle. **Describe** how carbon moves in this interaction.

4. Give one example of how the biosphere and atmosphere interact in the carbon cycle. **Describe** how carbon moves in this interaction.

5. Give one example of how the hydrosphere and atmosphere interact in the carbon cycle. **Describe** how carbon moves in this interaction.

School to Home

LESSON 1

Earth Systems and Interactions

Directions: Use your textbook to respond to each statement.

1. Earth is a system made of four smaller systems that work together.

Name Earth's four systems and list one part of each.

2. Like any system, parts of Earth interact.

Describe one way in which the biosphere interacts with each of the other Earth systems.

3. The carbon cycle is a series of processes that move the element carbon among Earth's systems.

Identify four processes that move carbon dioxide into the atmosphere and three processes that take this gas out of the atmosphere.

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