

Key Concept Builder

LESSON 1

Earth Systems and Interactions

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

Directions: Complete the table with the correct terms and numbers from the word bank. Some terms and numbers may be used more than once.

atmosphere

dissolved carbon dioxide gas

geosphere (lower mantle)

minerals and rocks

3,000

750,000+

carbon dioxide gas

geosphere (crust and upper mantle)

hydrosphere

organic molecules

40,000

Carbon Reservoirs		
Earth System	Amount of Carbon (billions of tons)	Form of Carbon
	750	
biosphere		
	750,000	

Directions: Answer each question on the lines provided.

What is global warming, and what are some ways humans might be contributing to it?

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