Name	Class	Date	
Skills Worksheet			
Active Reading		,	

Section: The Cycling of Materials

Read the passage below and answer the questions that follow.

When we burn fossil fuels, we release carbon into the atmosphere. The carbon returns to the atmosphere as carbon dioxide. Cars, factories, and power plants rely on these fossil fuels to operate. In the year 2000, vehicles were the source of one-third of all carbon dioxide emitted in the United States. All together, about 6 billion metric tons of carbon a year are released into the atmosphere as carbon dioxide. Natural burning of wood or forest fires combined with the burning of fossil fuels make up this 6 billion metric tons. About half of this carbon dioxide remains in the atmosphere, so over a period of years, the amount of carbon dioxide in the atmosphere has steadily increased.

Increased levels of carbon dioxide may contribute to global warming, which is an overall increase in the temperature of the Earth. What happens to the carbon dioxide that is not absorbed by the atmosphere? Scientists estimate that over a billion metric tons of carbon dioxide dissolves into the ocean, which is a carbon sink. Plants probably absorb the remaining carbon dioxide.

IDENTIFYING MAIN IDEAS

One reading skill is the ability to identify the main idea of a passage. The main idea is the main focus or key idea. Frequently a main idea is accompanied by supporting information that offers detailed facts about main ideas.

Read each question and write the answer in the space provided.

	In what form does carbon return to the atmosphere after it is released from the burning of fossil fuels?
3.	One-third of the United States' carbon consumption is used to operate what?
4.	How many tons of carbon are released into Earth's atmosphere every year?
5.	Why does the author mention the United States in the fourth sentence?

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A	Active Reading continued		
VO	OCABULARY DEVELOPMENT		•
	the space provided, write the lette ach statement or best answers each		phrase that best completes
	 6. Global warming a. is carbon dioxide that b. is an overall increase i c. is caused by natural bu d. makes up half of Earth 	n the temperatur	re of Earth.
	fuels are burned. b. Fossil fuels return to the carbon is burned.	s to the atmosph	nere as carbon when fossil
RE	ECOGNIZING CAUSE AND EFFECT	г	
One	ne reading skill is the ability to rec	ognize cause an	d effect.
	ead each question and write the an B. What three things cause carbon dioxide?	•	•
9.	9. What is one effect of increased le	evels of carbon o	dioxide in the atmosphere?