Nar	me Class Date			
Se	ection 3–3 Cycles of Matter (pages 74–80)			
	is section describes how matter cycles among the living and nonliving parts in ecosystem. It also explains how nutrients are important in living systems.			
Int	troduction (page 74)			
	. What are the four elements that make up over 95 percent of the body in most organisms?			
Re	ecycling in the Biosphere (page 74)			
	How is the movement of matter through the biosphere different from the flow of energy?			
3.	. Matter moves through an ecosystem in			
4.	. What do biogeochemical cycles connect?			
	ne Water Cycle (page 75)  . Water can enter the atmosphere by evaporating from the leaves of plants in the process of			
6.	<ul> <li>Circle the letter of each process involved in the water cycle.</li> <li>a. precipitation</li> <li>b. evaporation</li> <li>c. runoff</li> <li>d. fertilization</li> </ul>			
Nu	utrient Cycles (pages 76–79)			
	. What are nutrients?			
8.	What are the three nutrient cycles that play especially prominent roles in the biosphere?			
	a			
	b			
0	C			
9.	. Why is carbon especially important to living systems?			
10.	What are three large reservoirs where carbon is found in the biosphere?			
	a. As carbon dioxide gas in the			
	<b>b.</b> As dissolved carbon dioxide in the			
	c. As coal, petroleum, and calcium carbonate rock found			
	. In what process do plants use carbon dioxide?			

	the kinds of processes involved in the carbon cycle.			
KINDS OF PROCESSES IN THE CARBON CYCLE				
Kind	Examples			
Biological processes				
	Release of CO <sub>2</sub> to the atmosphere by volcanoes			
Mixed biogeochemical processes				
Human activity				
5. What is nitrogen fixation	?			
<b>6.</b> What is denitrification? _				
	ation play in the nitrogen cycle?			
7. What role does denitrifica				

actor? nments?				
nments?				
When an aquatic ecosystem receives a large input of a limiting nutrient, what is often the result, and what is this result called?				
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