Section 3–3 Cycles of Matter (pages 74–80) Key Concepts How does matter move among the living and nonliving parts of an ecosystem? How are nutrients important in living systems? Introduction (page 74) What are the four elements that make up over 95 percent of the body in most organisms? Recycling in the Biosphere (page 74) How is the movement of matter through the biosphere different from the flow of energy? Matter moves through an ecosystem in	Naı	e					
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c							
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9. What are three large reservoirs where carbon is found in the biosphere?	9.						
a. As carbon dioxide gas in the							
b. As dissolved carbon dioxide in the							
c. As coal, petroleum, and calcium carbonate rock found10. In what process do plants use carbon dioxide?	-						

Nar	me	Class	Date			
11.	. Why do all organisms require nitrogen?					
12.	What is nitrogen fixation?					
13.	What is denitrification?					
14.	What role does denitrification play in the nitrogen cycle?					
15.	 Circle the letter of each sentence that is true about the phosphorus cycle. a. Phosphate is released as rocks and sediments wear down. b. Plants absorb phosphate from the soil or from water. c. Phosphorus is abundant in the atmosphere. d. Organic phosphate cannot move through food webs. 					
16.	Why is phosphorus essential to living things?					
	trient Limitation (pag What is the primary productiv	·				
18.	If a nutrient is in short supply in an ecosystem, how will it affect an organism?					
19.	When is a substance called a limiting nutrient?					
20.	Why do algal blooms occur?					