Name	Class	Date

Skills Worksheet

Critical Thinking

ANALOGIES

Mark the letter of the pair of terms that best completes the analogy shown. An analogy is a relationship between two pairs of words or phrases written as a: b:: c: d. The symbol: is read "is to," and the symbol:: is read "as."

и	e : d. The symbol : is redu is to, and t
	1. phytoplankton : zooplankton ::a. primary producers: predatorsb. nekton : benthosc. bacteria : decomposersd. plants : animals
	 2. freshwater wetland : Everglades :: a. barrier island : New York b. estuary : Chesapeake Bay c. mangrove : Rio de Janeiro d. coral reef : tropics
	3. beavers : ponds ::a. reptiles : swampsb. amphibians : lakesc. humans : artificial lakesd. waterfowl : wetlands
	 4. surface water : photosynthesis :: a. brackish water : salinity b. deep water : decomposition c. wetlands : filtration d. algae : eutrophication
	5. marshes: swamps::a. grasslands: forestsb. ponds: oceansc. mosses: riversd. cactuses: deserts
	6. rivers : snow melt ::a. lakes : groundwaterb. Arctic : icec. coastal wetlands : raind. littoral zones : flooding
	7. trout : headwaters ::

a. oxygen : runoffb. sediment : riverbedc. plankton : downstream

d. rhizoids : rocks

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Critical Thinking continued		
INTERPRETING OBSERVATI	ONS	
Read the following passage,	and answer the question	s below
A small community verblue lake. Local residence and fish. Many of the crops for the local percame to the area and facturing processes.	vas nestled along the edge lents often flocked to the local residents were dain cople. As the community g used the water from the Several years later the residue a layer of thick, slimy	e of a sparkling, lake to swim, boat, ry farmers or grew grew, more factories lake for their manu- sidents noticed that
8. Describe what happened transformation of the lake		d bacteria play in the
9. How could this problem	impact the entire ecosyst	tem?
10. Could this same problem	occur at the headwaters	s of a river? Why or why not?

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Critical Thinking continued		
AGREE OR DISAGREE	_	
Agree or disagree with the follow		
11. Plants and animals prefer to l	ive on sandy shores i	rather than rocky shores.
12. Human activities do not threa	ton coval moofs	
12. Human activities do not tifrea	ten corai reeis.	
13. Most photosynthesis occurs in	n the upper 100 mete	rs of the ocean.

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Critic	al Thinking continued		
	ING CONCEPTS		
	tements below challenge y d in the chapter. Think care		
	y is a toxic chemical spill he ocean?	on land potentially h	narmful to animals that live
	crophication sometimes oc relerated.	curs naturally. Expla	ain how the process can be
we		an? Explain your ans	rican freshwater trout if it swer in terms of factors that