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."

 <ul><li>1. dam : reservoir ::</li><li>a. road closure : traffic jam</li><li>b. braces : teeth</li><li>c. farms : runoff</li><li>d. groundwater : aquifer</li></ul>	
 <ul> <li>2. fertilizer : artificial eutrophication</li> <li>a. wastewater : point-source pollut</li> <li>b. oxygen : thermal pollution</li> <li>c. biomagnification : pesticides</li> <li>d. point-source : water pollution</li> </ul>	
<ul><li>a. aquifer : land ::</li><li>a. surface water : well</li><li>b. river : ocean</li><li>c. dam : river</li><li>d. potable : pathogen</li></ul>	
<ul> <li>4. pathogens : viruses ::</li> <li>a. porosity : groundwater</li> <li>b. dead fish : thermal pollution</li> <li>c. DDT : food chain</li> <li>d. ocean pollution : oil spill</li> </ul>	
 <ul><li>5. non point-source : point-source ::</li><li>a. few : many</li><li>b. few : one</li></ul>	<b>c.</b> many : one <b>d.</b> one : few
 <ul><li>6. salt water : desalinate ::</li><li>a. recharge zone : percolate</li><li>b. nonpotable water : chlorinate</li><li>c. unwanted gases : aerate</li><li>d. alum : coagulate</li></ul>	
 <ul><li>7. oil spills : ocean pollution ::</li><li>a. river : water diversion</li><li>b. nutrient runoff : eutrophication</li><li>c. waste : conservation</li></ul>	

**d.** agriculture : evaporation

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Critical Thinking contin	nued	
TERPRETING OBSER	VATIONS	
ead the following pass	sage, and answer the questions	s below.
upon surface wa contaminated widisease and deat then built to probangladesh. Now These new wells arsenic. According 35 to 77 million of drinking arsenic concentration of lung, bladder, an pensive way to rathis method is oused to reduce the state of the surface	st of the people living in Bangater for their fresh water needs ith pathogens that caused a high in the population. A system wide safe drinking water for my Bangladesh is trying to respond to the World Health Organis of the total 125 million resident contaminated water. Drinking farsenic can cause a variety of a skin cancers. Adding aluminated water are move most of the arsenic from the level of arsenic and to make the could a single household of the could be could a single household of the could be could a single household of the could be could	s. This water was igh incidence of of rural wells was nost of the people in another crisis. Intaminated with zation, an estimated ats are at risk of g water with a high of illnesses, including is a simple and inextom drinking water. It ions that are being the the water usable.
	veral heavy metals known to a tuation in which a heavy meta	
	e a possible solution to treating	ng the surface water so tha

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Critical Thinking continued		_
AGREE OR DISAGREE Agree or disagree with the fol		support your answer.
11. Water exists in two differences	ent forms.	
<b>12.</b> Drip irrigation makes farm	ning more efficient.	
<b>13.</b> Aquifers are environments of materials like rock, san		even though they are made

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Critical Thinking continued		
REFINING CONCEPTS		
The statements below challer covered in the chapter. Think		
<b>14.</b> What are three positive ef	fects of diverting or stop	ping the flow of river water?
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<b>15.</b> What are three negative ef	ffects of diverting or stop	ping the flow of river water?
<b>16.</b> How can some water be u	used even if it isn't clean	enough to drink?
<b>17.</b> Explain why it is difficult	to reduce or prevent nor	npoint-source pollution.
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