Name	Class	Date				
Skills Worksheet		Duto				
Study Guide – Ch 11						
MATCHING						
In the space provided, write the description.	letter of the ter	m or phrase that best matches the				
1. Mississippi River		a. pathogen				
2. area above an aquifer	•	b. recharge zone				
		c. nonpoint-source pollution				

	1. Mississippi River	a.	pathogen
	2. area above an aquifer	b.	recharge zone
	3. bottled water	c.	nonpoint-source pollution
	4. bacteria	d.	potable
		e.	watershed
	5. multiple sources	f.	artificial eutrophication
	6. fertilizer runoff	g.	1972 Clean Water Act
	7. law designed to improve water quality	h.	groundwater
_	8. surface water that percolates through soil		

MULTIPLE CHOICE

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

	. Ninety-seven percent of the world's water resources are found in			
a. fresh water.	c. icecaps and glaciers.			
b. salt water.	d. groundwater.			
10. Earth's surface water is fou	nd in			
a. lakes.	c. streams.			
b. rivers.	d. All of the above			
a. operating boats and personal				
b. spills from oil tankers.				
c. runoff from cities and to				
d. leaking underground stor	rage facilities.			
12. The three major global uses	s of fresh water are			
a. manufacturing goods, wa	astewater disposal, and irrigation.			
b. drinking, bathing, and gr	owing crops.			

c. drinking, manufacturing goods, and generating power.

d. residential, agricultural, and industrial uses.

Name	Class	Date	
Study Guide continued			
process? a. to filter and remo b. to form flocs that c. to prevent bacteri d. to remove unwan 14. How is fresh wa	eve large organisms as bacteria and other in ial growth ted gases atter used in industry?	to water during the water and trash inpurities will cling to	treatment
a. in manufacturingb. in the disposal ofc. to generate powerd. all of the above	waste products		
become habitable a. rainfall patterns h b. water management c. icebergs have been	le because ave changed.		have
16. A hole that is dua.the recharge zone.b. a well.	ig into the ground to	obtain fresh water is calle c. an aquifer. d. a watershed.	ed
a. Take a bath insteab. Wash laundry in s	ad of a shower. small, partial loads. hower head and take :	at a person can conserve	water?
a. unlined landfill b. runoff from city s c. precipitation cont d. runoff from farms	aining air pollution	`point-pollution?	
a. pathogens b. organic matter	ould be classified as v	which type of water pollu c. inorganic chemica d. heavy metals	
 a. groundwater is de rock. 		dispersed through large a	areas of
contaminate the c	lean water.	ake up the aquifer and an take hundreds or thou	sands of

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CHAPTER 11 Review

Reviewing Key Terms

Use each of the following terms in a separate sentence.

- 1. aquifer
- 2. recharge zone
- 3. reservoir
- 4. wastewater
- 5. biomagnification

For each pair of terms, explain how the meanings of the terms differ.

- 6. surface water and groundwater
- 7. porosity and permeability
- 8. watershed and river system
- 9. point-source pollution and nonpoint-source pollution
- 16. Concept Map Use the following terms to create a concept map: Earth's surface, rivers, underground fresh water water table, 8 percent, and secaps.

Reviewing Main Ideas

- 11. Which of the following processes is not a part of the water cycle?
 - a. evaporation
 - b. condensation
 - c. biomagnification
 - d. precipitation
- 12. Most of the fresh water on Earth is
 - a. located underground in aquifers.
 - b. frozen in the polar icecaps.
 - c. located in rivers, lakes, streams, and wetlands,
 - d. found in Earth's atmosphere.
- 13. Which of the following processes is not used in a conventional method of water treatment?
 - a filtration
 - b. coagulation
 - c. aeration
 - d. percolation

- 14. Which of the following is not an example of pointsource pollution?
 - a, oil that is escaping from a damaged tanker
 - b. heavy metals that are leaching out of an underground mine
 - c. water runoff from residential lawns
 - d. untreated sewage that is accidentally released from a wastewater treatment plant
- 15. Which of the following pollutants causes artificial eutrophication?
 - a. heavy metals from unlined landfills
 - inorganic plant nutrients from wastewater and fertilizer runoff
 - c. toxic chemicals from factories
 - d. radioactive waste from nuclear power plants
- Pumping large amounts of water from an aquifer may cause the
 - a. Water table to rise.
 - b. recharge zone to shrink
 - c. wells in an area to run dry:
 - d. percolation of groundwater to stop
- 17. Oil pollution in the ocean is mostly caused by
 - major oil spills, such as the 1989 Exxon Valder oil spill.
 - the cumulative effect of small oil spills and leaks on land
 - c. decomposed plastic materials.
 - d. intentional dumping of excess oil.
- 18. Thermal pollution has a harmful effect on aquatic environments because
 - a. Water has been circulated around power-plant generators.
 - b. it increases the number of disease-causing organisms in aquatic environments.
 - it reduces the amount of dissolved oxygen in aquatic environments.
 - d. it decreases the nutrient levels in aquatic environments.