

Land, Water, and Air Resources ▪ *Guided Reading and Study*

Water Pollution and Solutions

Use Target Reading Skills

Before you read, preview Figure 13. Then write two questions that you have about the diagram in the graphic organizer below. As you read, answer your questions.

Water Pollution

Q. What are some household causes of water pollution?
A.
Q.
A.

Water—A Limited Supply

- Circle the letter of each sentence that is true about Earth's water supply.
 - Water is a scarce resource.
 - About half the water on Earth is in the form of fresh water.
 - Salt water cannot be used for drinking or watering crops.
 - About three quarters of Earth's fresh water is in the form of ice.
- Water stored in layers of soil and rock beneath Earth's surface is called _____.
- How does the water cycle purify water?

- What is a drought? _____

Water Pollution

- Substances that cause pollution are called _____.
- How can pollution affect water in areas far from its source?

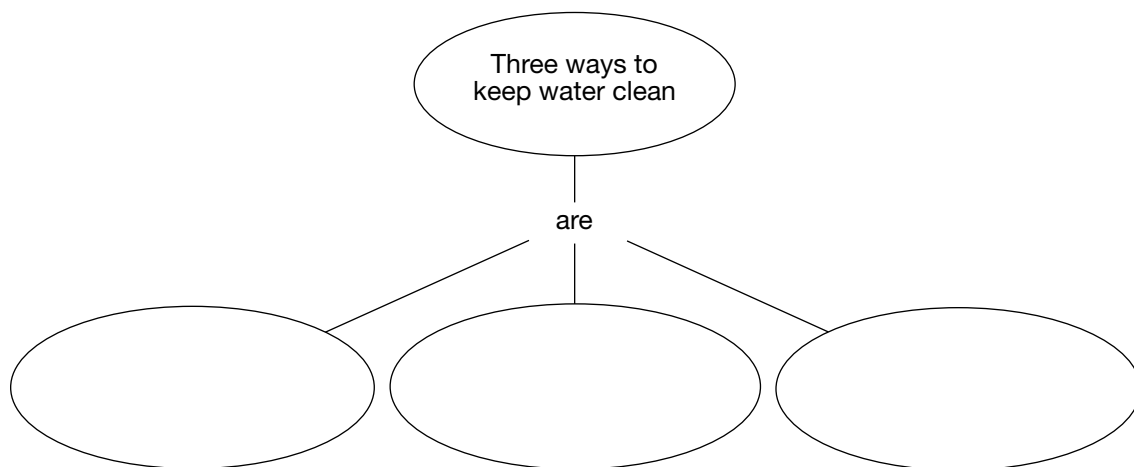
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7. Is the following sentence true or false? Most pollution is the result of human activities. _____
8. List four human activities that produce wastes that can end up in water.
a. _____ b. _____
c. _____ d. _____
9. The water and human wastes that are washed down sinks, toilets, and showers are called _____.
10. List three kinds of agricultural wastes.
a. _____ b. _____
c. _____
11. Particles of rock and sand in running water are called _____.
12. How do sediments affect organisms in water?

13. How can hot water cause pollution?

Keeping Water Clean

14. Complete the concept map.



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Water Pollution and Solutions *(continued)*

15. Is the following sentence true or false? Few communities treat wastewater before returning it to the environment.

Match each major step in sewage treatment with its description.

Step	Description
____ 16. primary treatment	a. Using bacteria to break down wastes
____ 17. secondary treatment	b. Using filters to remove solid materials

18. What are two ways industries can reduce pollution?

19. Is the following sentence true or false? Oil is a pollutant that nature can handle in small amounts. _____

20. How do bacteria break down oil in the ocean?

21. Is the following sentence true or false? Gasoline or oil that leaks from an underground tank is easy to clean up. _____

22. How can polluted groundwater be cleaned up?

23. How can individuals prevent water pollution at home?

