

Freshwater Resources • Guided Reading and Study

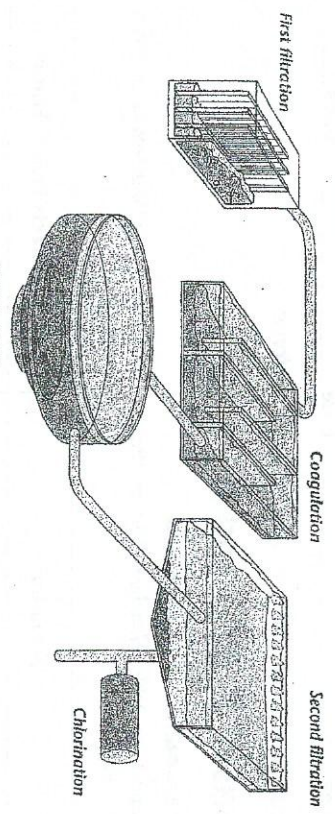
Water to Drink 095-103-111

Water Quality

- Circle the letter of each choice that is an important source of drinking water in the United States.
 - reservoirs
 - rivers
 - oceans
 - lakes
- Most people in rural areas of the United States get their drinking water from _____.
- How do large communities maintain public water supplies? _____
- A measurement of those substances in water other than water molecules is referred to as _____.
- Is the following sentence true or false? The pH of water is a measurement of how acidic or basic the water is. _____
- Is the following sentence true or false? The higher the pH, the more acidic the water. _____
- How can acidic water cause problems? _____
- The combined level of calcium and magnesium in water is referred to as _____.
- What is the main problem with hard water for most people? _____
- What does the coliform count measure? _____
- Is the following sentence true or false? A high coliform count may indicate that the water contains more than one kind of disease-causing organism. _____
- The amount of one substance in a certain volume of another substance is called _____.
- Is the following sentence true or false? EPA water-quality standards allow drinking water to contain only water molecules. _____

Treating Drinking Water

- Add arrows to the drawing to show the direction in which water moves through a water treatment plant.



- When alum is added to water, sticky globs, or _____ form.

- | Step | Description |
|------------------|---|
| 16. filtration | a. Water is treated to create flocs. |
| 17. coagulation | b. Water is treated to kill microorganisms. |
| 18. chlorination | c. Water is passed through screens to remove objects. |

- Circle the letter of the choice that shows the correct sequence that water follows after it has been treated.
 - Small pipes, central pumping station, water mains
 - Central pumping station, water mains, small pipes
 - Water mains, small pipes, central pumping station
 - Central pumping station, small pipes, water mains
- What causes the water to move through a community's system of underground water pipes? _____
- Sewage is carried away from many homes by _____.
- Complete the table.

Term	What It Means
a.	Wastewater and the different kinds of wastes that it contains
b.	Deposits of fine solids that settle out from wastewater in a septic system
c.	Treated wastewater that you cannot drink

- An underground tank containing bacteria that treat wastewater is called a(n) _____.
- The area of ground in a septic system that the water filters through is called a(n) _____.