

## Chapter 10

Use with Section 2

## ENRICHMENT

## ● Groundwater

## The Action of Groundwater

Do the activity and answer the questions on the lines provided.

## Materials

dropper  
water  
clear plastic cups or jars (3)  
250 mL each of gravel, sand, and clay

## Procedure

1. Half fill one cup or jar with gravel, the second with sand, and the third with clay.
2. Use the dropper and a small cup of water to place drops of water onto each material.
3. Record what happens to the water for each sample.
4. Note the rate at which each absorbed water.



## Analyze and Conclude

1. Define the terms *permeable* and *impermeable*. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. Which material was the most permeable? Least permeable? \_\_\_\_\_  
\_\_\_\_\_
3. Define an aquifer. \_\_\_\_\_  
\_\_\_\_\_
4. Shale is an impermeable rock made mostly of clay. Sandstone is permeable. Which of these two rocks would make the best aquifer? Explain. \_\_\_\_\_