

Chapter 8

Text Pages 214–218

STUDY GUIDE

● Groundwater

In the blank at the left, write a term from the list to match each definition.

aquifer
groundwater
hot spring

geyser
permeable
carbonic acid

impermeable
water table
zone of saturation

artesian
cave
spring

- _____ 1. Water that collects underground
- _____ 2. Word describing soil or rock through which water can pass
- _____ 3. Word describing soil or rock through which water cannot pass
- _____ 4. Layer of rock that transmits water freely
- _____ 5. Area where all pores in the rock are filled with water
- _____ 6. Upper surface of the area where all the pores in the rock are filled with water
- _____ 7. Type of well in which water under pressure rises to the surface
- _____ 8. Area where the water table meets Earth's surface and flows out
- _____ 9. Area where heated groundwater comes to the surface
- _____ 10. Hot spring that erupts periodically
- _____ 11. Weak acid that forms when water mixes with carbon dioxide
- _____ 12. Underground opening formed when acid groundwater dissolves limestone

Use the words in the box to fill in the blanks.

calcite
stalagmites

stalactites
limestone

evaporates

Groundwater continues to affect the _____ rock that forms a cave. It drips slowly from cracks in the cave walls and ceilings. Sometimes this water _____ while dripping from the roof of a cave. It leaves deposits of _____. These deposits grow down from the cave's ceiling and form _____. If the water drips to the cave floor and then evaporates, it leaves deposits that grow up from the floor. These are called _____.