

## Chapter 3

Text Pages 62–66

## STUDY GUIDE

## ● Minerals

Find the error in each statement. Rewrite the statement correctly on the line provided.

1. A mineral is a solid that comes from organic matter. \_\_\_\_\_  
\_\_\_\_\_
2. Salt, diamonds, graphite, and coal are minerals. \_\_\_\_\_  
\_\_\_\_\_
3. The compounds in a mineral are arranged in a repeating pattern to form crystals. \_\_\_\_\_  
\_\_\_\_\_
4. Some minerals form from magma, which is hot, liquid rock material on Earth's surface. \_\_\_\_\_  
\_\_\_\_\_
5. Halite crystals are formed when fresh lake water evaporates. \_\_\_\_\_  
\_\_\_\_\_
6. The smallest group of rock-forming minerals consists of silicates. \_\_\_\_\_  
\_\_\_\_\_

In the blank at the left, write the term in the box that correctly completes each statement.

crystal carbonates	halide elements	silicates oxides	4000 98 percent	8 6
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- \_\_\_\_\_ 7. Scientists know of more than \_\_\_\_\_ minerals.
- \_\_\_\_\_ 8. Most of these are composed of only \_\_\_\_\_ elements.
- \_\_\_\_\_ 9. These few elements make up \_\_\_\_\_ of Earth's crust.
- \_\_\_\_\_ 10. Minerals that combine to form the most common rock-forming group are \_\_\_\_\_.
- \_\_\_\_\_ 11. A group that includes rock salt is the \_\_\_\_\_ group.
- \_\_\_\_\_ 12. Each mineral has a different \_\_\_\_\_ formation.
- \_\_\_\_\_ 13. Scientists have identified \_\_\_\_\_ major formation systems.
- \_\_\_\_\_ 14. Two other major groups of minerals are \_\_\_\_\_ and \_\_\_\_\_.