

# CHAPTER REVIEW

# Chapter 10

## Minerals and Their Uses

### I. Vocabulary Review

For each set of terms below, choose the one term that does NOT belong and explain why it does not belong.

- 1. streak, hardness, color, mineral \_\_\_\_\_  
\_\_\_\_\_
- 2. naturally occurring, organic, crystal structure, solid \_\_\_\_\_  
\_\_\_\_\_
- 3. valuable, difficult to obtain, inexpensive, beautiful \_\_\_\_\_
- 4. curved, rough, jagged, flat \_\_\_\_\_
- 5. rhyolite, pegmatite, feldspar, granite \_\_\_\_\_  
\_\_\_\_\_
- 6. color, powdered, luster, plate \_\_\_\_\_

### II. Concept Review

If the underscored word or phrase makes the sentence true, write "TRUE" in the space provided. If the underscored word or phrase makes the sentence false, write the correct term or phrase in the space provided.

- \_\_\_\_\_ 7. Four of the physical characteristics used to identify a mineral include the streak, color, size, and hardness of the mineral.
- \_\_\_\_\_ 8. Quartz is an example of a mineral with fracture.
- \_\_\_\_\_ 9. The streak of a mineral and its color are always the same.
- \_\_\_\_\_ 10. When a solution is precipitated, additional solid will not dissolve.
- \_\_\_\_\_ 11. Minerals formed from precipitation are frequently found in a vein.
- \_\_\_\_\_ 12. Minerals form from elements dissolved in mixtures or elements dissolved in magma.

Answer the following questions in phrases or complete sentences.

- 13. Explain the relationship between magma, crystal size, and time. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Chapter Review 10 (continued)**

**14.** Why is gold more valuable than many other minerals? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**15.** Which test for minerals do you think is the least reliable? Why? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**III. Skills/Process Review**

*Use the skills practiced in the chapter, the Mohs scale of mineral hardness on pages 310 and 311 of your textbook, and the information in the table below to answer the following questions.*

Some observed characteristics of three mineral samples		
Sample	Scratched by	Other comments
A	streak plate	has fracture
B	copper penny, sample A	clear
C	fingernail, all other samples	soft and powdery

**16.** Which of the samples is the hardest on the Mohs scale? \_\_\_\_\_

**17.** Which of the samples is the softest on the Mohs scale? \_\_\_\_\_

**18.** If sample B is calcite, what would you expect to see when you look through the sample at an object? \_\_\_\_\_

**IV. EYV Review**

**19. Science and Society: Asbestos Debate** Briefly describe the issues discussed in this article about asbestos. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_