



## Chapter Review

# Rocks

### Part A. Vocabulary Review

**Directions:** Match the terms in Column II with the descriptions in Column I. Write the letter of the correct term in the blank at the left.

#### Column I

- \_\_\_\_\_ 1. rocks formed by changes in heat and pressure or the presence of hot, watery fluids
- \_\_\_\_\_ 2. rocks formed from molten material
- \_\_\_\_\_ 3. rocks formed from sediments
- \_\_\_\_\_ 4. igneous rocks formed on or near Earth's surface
- \_\_\_\_\_ 5. layered metamorphic rocks
- \_\_\_\_\_ 6. process by which sediments are pressed together to form rock
- \_\_\_\_\_ 7. light-colored igneous rocks with a lower density than basaltic rocks
- \_\_\_\_\_ 8. dense, dark-colored igneous rocks
- \_\_\_\_\_ 9. metamorphic rocks that don't have layers
- \_\_\_\_\_ 10. process by which large sediments are glued together by dissolved minerals to form rock
- \_\_\_\_\_ 11. igneous rocks formed below Earth's surface
- \_\_\_\_\_ 12. bits of weathered rock, minerals, grains, plants, and animals that have been eroded
- \_\_\_\_\_ 13. model that illustrates the processes that create and change rocks
- \_\_\_\_\_ 14. magma that reaches Earth's surface and flows from volcanoes
- \_\_\_\_\_ 15. a mixture of minerals, organic matter, volcanic glass, or other materials

#### Column II

- a. granitic
- b. metamorphic rocks
- c. rock cycle
- d. sedimentary rocks
- e. cementation
- f. basaltic
- g. rock
- h. extrusive
- i. sediments
- j. igneous rocks
- k. compaction
- l. intrusive
- m. foliated
- n. lava
- o. nonfoliated

**Chapter Review** (continued)**Part B. Concept Review**

**Directions:** Answer the following questions using complete sentences.

1. Suppose you found an igneous rock that had almost even amounts of silica, iron, and magnesium. How would you classify this rock? Why?

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2. How do detrital, chemical, and organic sedimentary rocks differ from one another?

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3. Your friend challenges you to tell what you know about a rock without seeing it. You are given a one-word hint: clastic. What can you tell your friend about the rock?

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4. What makes the rock cycle a “cycle”?

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5. What is cementation?

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