

Chapter 4

CHAPTER REVIEW

● Rocks

Part A. Vocabulary Review

In the blank at the left, write the letter of the term in Column II that matches each phrase in Column I.

Column I

- _____ 1. Poor quality coal that could not be used at the time it was mined
- _____ 2. Rocks formed by increases in heat and pressure
- _____ 3. Rocks formed from molten material
- _____ 4. Rocks formed from sediments pressed or cemented together
- _____ 5. Igneous rocks formed above Earth's surface
- _____ 6. Banded mixture in metamorphic rocks
- _____ 7. Process by which sediments are pressed together to form rock
- _____ 8. Light-colored igneous rocks with a lower density than basalts
- _____ 9. Dense, heavy, dark-colored igneous rocks
- _____ 10. No visible banding in metamorphic rocks
- _____ 11. Process by which large sediments are glued together by dissolved minerals to form rock
- _____ 12. Igneous rocks formed below Earth's surface
- _____ 13. Bits of weathered rock, minerals, plants, and animals that have been eroded
- _____ 14. Processes by which rocks form and change into other rocks
- _____ 15. Molten material that reaches Earth's surface
- _____ 16. A mixture of minerals, mineraloids, glass, or organic matter

Column II

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

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

Write answers in complete sentences.

1. Under what conditions do igneous rocks form? _____

2. How are detrital, chemical, and organic sedimentary rocks different? _____

3. Explain how waste coal can be burned without polluting the air or water. _____

4. Describe the process of cogeneration, and explain how it is beneficial. _____

5. Refer to the rock cycle in Figure 4-2 on page 87 of your textbook, and name various changes that Earth's rocks undergo. _____

6. What conditions are necessary for metamorphic rocks to form? _____
