

Chapter 4

STUDY GUIDE

# ● The Rock Cycle

Match the items in Column I with the terms in Column II. Write the letter of the correct term in the blank at the left.

**Column I**

- \_\_\_\_\_ 1. A naturally occurring, nonliving solid with a definite structure and composition
- \_\_\_\_\_ 2. A mixture of minerals, mineraloids, glass, or organic matter
- \_\_\_\_\_ 3. Processes by which rocks form and change
- \_\_\_\_\_ 4. A hard silicate mineral
- \_\_\_\_\_ 5. An igneous rock made up of mica, feldspar, quartz, and hornblende

**Column II**

- a. rock
- b. mineral
- c. quartz
- d. granite
- e. rock cycle

In the blank, write the term that correctly completes each sentence. Use the information in the textbook.

- 6. If the minerals in a sedimentary rock melt and then cool, they can form a(n) \_\_\_\_\_ rock.
- 7. Quartz is a common \_\_\_\_\_ found in rocks.
- 8. Sedimentary and igneous rocks can be changed into metamorphic rocks by \_\_\_\_\_ and \_\_\_\_\_.
- 9. If an igneous rock weathers and erodes into fragments, the fragments can form a(n) \_\_\_\_\_ rock.
- 10. Weathering and erosion are two of the \_\_\_\_\_ that change rocks.

Write each word in the box under the correct heading.

weathering	igneous	melting	cooling
erosion	sedimentary	compaction	cementation
deposition	heating	metamorphic	

**Processes in the rock cycle**

_____	_____
_____	_____
_____	_____
_____	_____

**Kinds of rocks**

_____
_____
_____