

Chapter 4

Text Pages 86–96

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
