

# CHAPTER REVIEW

# Chapter 11

## The Rock Cycle

### I. Vocabulary Review

Unscramble the words in the following list. Then, in the space provided, write the word or phrase from the list that best completes the statement given.

segioun korc	ntrusviie	tiaderlt	tenmadseryi orck	phamtorimce rokc
meatonceitn	cork lecyk	tuexivsre	litafoke	flinnoadeto

1. Rock that formed as molten material cooled is \_\_\_\_\_.
2. Igneous rocks that formed beneath Earth’s surface are \_\_\_\_\_ igneous rocks.
3. Lava that cools on Earth’s surface forms \_\_\_\_\_ igneous rock.
4. When granite is flattened by pressure and heat, it forms the \_\_\_\_\_ called gneiss.
5. The term \_\_\_\_\_ comes from a term that means leaf, such as a leaf or page of a book.
6. When mineral grains change, combine, and rearrange, but don’t form visible bands, these metamorphic rocks have a \_\_\_\_\_ texture.
7. The type of rock composed of sediments is called \_\_\_\_\_.
8. The process of \_\_\_\_\_ takes place when sediments are bound tightly together to form sedimentary rock.
9. A description of how Earth materials change and form different kinds of rock is the \_\_\_\_\_.
10. Sandstone, a common \_\_\_\_\_ sedimentary rock, is formed from broken fragments of other rocks.

### II. Concept Review

Answer the following questions in phrases or complete sentences.

11. How can igneous and metamorphic rocks become sedimentary rock? \_\_\_\_\_  
\_\_\_\_\_
12. Explain how metamorphic rock can form magma. \_\_\_\_\_  
\_\_\_\_\_
13. How are buildings and sidewalks part of the rock cycle? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Chapter Review 11 (continued)

14. Compare and contrast rocks and minerals. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### III. Skills/Process Review

Use the table below to answer the following questions.

Rock	Texture	Color	Visible minerals
A.	glassy		none
B. gabbro	coarse		feldspar, pyroxene, hornblende, olivine
C.	glassy, porous	gray	quartz, feldspar, mica, hornblende
D.	fine grained with fossils	light beige	visible shells, fossils, calcite

15. Identify rock A and its color, and place these answers in the appropriate boxes in the table.
16. Would you classify rock A as intrusive or as extrusive? \_\_\_\_\_
17. Classify the color of rock B as light or dark and place this answer in the appropriate box in the table.
18. Identify rock C and place your answer in the table.
19. Identify rock D and place your answer in the table.
20. How can you infer that D is a sedimentary rock? \_\_\_\_\_  
 \_\_\_\_\_

### IV. EYV Review

21. Science and Society: Who Owns the Rocks? Explain the law of capture. Do you feel this is a fair law? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_