

Chapter 3 Rocks

# Section 3.3 Sedimentary Rocks

*This section discusses the formation and classification of sedimentary rocks.*

## Reading Strategy

**1. Outlining** This outline is a continuation of the outline from Section 3.2. Complete this outline as you read. Include points about how each of these rocks form, some of the characteristics of each rock type, and some examples of each.

II. Sedimentary Rocks
A. Clastic Rocks
1. DEFINE _____
_____
2. EXAMPLE _____
_____
B. Chemical Rocks
1. DEFINE _____
_____
2. EXAMPLE _____
_____

## Formation of Sedimentary Rocks

*Match each description to its term.*

Description	Term
_____ 2. a process that squeezes, or compacts, sediments	a. cementation
_____ 3. when sediments are moved by water, wind, ice or gravity	b. deposition
_____ 4. dissolved minerals are deposited in the tiny spaces among the sediments and “glue” it together	c. compaction
_____ 5. when sediments come to rest at a new location	d. erosion
_____ 6. When a tiny piece of rock gets broken off a larger rock by water, wind, ice, or gravity	e. weathering

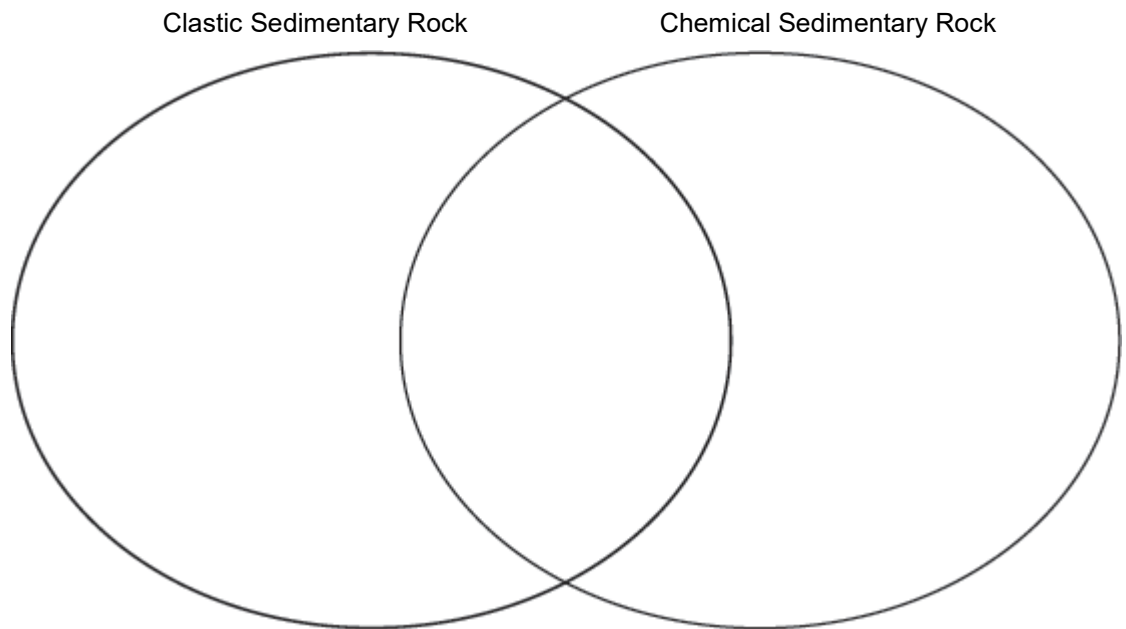
7. Is the following sentence true or false? Sedimentary rocks form when solids settle out of a fluid such as water or air. \_\_\_\_\_

**Chapter 3 Rocks**

8. Circle the letters of the statements that are true of the formation of sedimentary rocks.
- a. Weathering is the first step in the formation of sedimentary rocks.
  - b. Weathered sediments don't usually remain in place.
  - c. Small sediments often are carried large distances before being deposited.
  - d. Small sediments usually are deposited first.

**Classification of Sedimentary Rocks**

9. Complete the Venn diagram comparing the formation of the two main groups of sedimentary rocks. (3pts)



10. Circle the letters of the names of the rock groups that are classified as clastic sedimentary rocks.
- a. conglomerate
  - b. breccia
  - c. coquina
  - d. sandstone

**Features of Some Sedimentary Rocks**

11. Is the following sentence true or false? In undisturbed sedimentary rocks, the oldest layers are found on the bottom. \_\_\_\_\_
12. Ripple marks in a sedimentary rock may indicate that the rock formed along a(n) \_\_\_\_\_ or \_\_\_\_\_ bed.
13. What are the FIVE major processes that form sedimentary rocks?
- 1 \_\_\_\_\_
  - 2 \_\_\_\_\_
  - 3 \_\_\_\_\_
  - 4 \_\_\_\_\_
  - 5 \_\_\_\_\_