

Chapter 3 Rocks

# Section 3.3 Sedimentary Rocks

(pages 75–79)

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

## Reading Strategy (page 75)

**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 forms, some of the characteristics of each rock type, and some examples of each. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

II. Sedimentary Rocks

A. Clastic Rocks

1. \_\_\_\_\_  
\_\_\_\_\_

2. Common example of clastic sedimentary rock is shale.

B. Chemical Rocks

1. rock that forms when dissolved minerals precipitate from water

2. \_\_\_\_\_  
\_\_\_\_\_

## Formation of Sedimentary Rocks (page 76)

*Match each description to its term.*

Description	Term
_____ 1. a process that squeezes, or compacts, sediments	a. cementation
_____ 2. involves weathering and the removal of rock	b. deposition
_____ 3. takes place when dissolved minerals are deposited in the tiny spaces among the sediments	c. compaction
_____ 4. when sediments are dropped by water, wind, ice, or gravity	d. erosion
5. 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**

6. 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.

**Classification of Sedimentary Rocks (pages 77–78)**

7.  Complete the chart below about the two main groups of sedimentary rocks. Use the terms in the box.

chemical	clastic	sandstone	rock salt
----------	---------	-----------	-----------

Type of Rock	Forms from	Examples
	weathered bits of rocks and minerals	shale,
	dissolved minerals that precipitate from water solution	limestone,

**Features of Some Sedimentary Rocks (pages 78–79)**

8. Is the following sentence true or false? In undisturbed sedimentary rocks, the oldest layers are found on the bottom. \_\_\_\_\_
9. Ripple marks in a sedimentary rock may indicate that the rock formed along a(n) \_\_\_\_\_ or stream bed.
10. Number the four major processes that form sedimentary rocks to place them in the correct order.
  - \_\_\_\_\_ deposition
  - \_\_\_\_\_ erosion
  - \_\_\_\_\_ compaction and cementation
  - \_\_\_\_\_ weathering