

Directed Reading A (Lesson 4-3)

Section: Sedimentary Rock

1. Over time, grains of sand may be compacted and cemented together to form a rock called _____.

ORIGINS OF SEDIMENTARY ROCK

2. When sediment is deposited in layers and compacted, _____ is formed.
3. Dissolved minerals separate from water and become a natural _____ that binds the sedimentary rock together.
4. Sedimentary rocks form at or near the Earth's _____
5. The most noticeable feature of sedimentary rock is often its layers, or _____

COMPOSITION OF SEDIMENTARY ROCK

6. Rock or mineral fragments are called _____.
7. Sedimentary rock that forms when rock or mineral fragments are cemented together is called _____ sedimentary rock.
8. Clastic sedimentary rocks can have coarse-, medium-, or fine-grained _____.
9. Sedimentary rock that forms when minerals crystallize out of solution, such as sea water, to become rock is called _____ sedimentary rock.
10. Sedimentary rock that forms from the remains, or fossils, of plants and animals is called _____ sedimentary rock.
11. Some limestone is made of the skeletons of tiny organisms called _____ that live in the ocean in huge colonies called _____
12. Limestone made from the calcium carbonate from skeletons and shells of sea creatures is called _____ limestone.

Directed Reading A *continued*

13. An organic sedimentary rock that forms from the action of heat and pressure on plant material over millions of years is called _____

SEDIMENTARY ROCK STRUCTURES

- _____ 14. What is the process in which sedimentary rocks are arranged in layers?
- a. mud cracking
 - b. weathering
 - c. stratification
 - d. erosion
- _____ 15. What are the markings on sedimentary rocks that record the wave motion of wind or water called?
- a. ripple marks
 - b. stratification
 - c. fossiliferous limestone
 - d. mud cracks
- _____ 16. What do we call the structures that form when fine-grained sediments at the bottom of a shallow body of water are exposed to the air and dry out?
- a. ripple marks
 - b. fossiliferous limestone
 - c. coal
 - d. mud cracks