

Name KEY

Date _____

Sedimentary Rocks . Textbook pages 120-132.

pg. 6 ESRT
Rock cycle

1. Put the following terms in order to show the correct sequence of processes that form a sedimentary rock. (**Compaction, Erosion, Cementation, Deposition**)

Erosion, deposition, Compaction, cementation.

2. Classify each of the following sedimentary rocks by writing **Clastic, Crystalline, or Bioclastic**.

a. Sandstone Clastic

b. Coal Bio clastic

c. Breccia Clastic

d. Rock Salt Crystalline

e. Shale Clastic

f. Conglomerate clastic

g. Limestone Bio-clastic
(made from shells)

h. Limestone Crystalline
(made from dissolved calcite)

Vocabulary Match-Up

d 1. erosion

f 2. clastic rock

a 3. sediment

e 4. cementation

c 5. organic rock

b 6. compaction

h 7. chemical rock

g 8. deposition

~~a.~~ small, solid pieces of material from rocks or living things

~~b.~~ the process that presses sediments together

~~c.~~ sedimentary rock that forms from remains of plants and animals

~~d.~~ the process in which water and wind loosen and carry away rock fragments

~~e.~~ the processes in which dissolved minerals crystallize and glue sediments together

~~f.~~ sedimentary rock that forms when rock fragments are squeezed together

~~g.~~ the process by which sediment settles out (DROPS) of wind or water

~~h.~~ sedimentary rock that forms when minerals dissolve in a solution crystallize

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Sedimentary Rocks Scavenger Hunt

Use the Earth Science Reference Tables to answer the following questions.

1. What are the two categories sedimentary rocks are grouped into?

Clastic (fragmental) and Crystalline (bio-
(inorganic/land derived) (chemical or organic) clastic)

2. Which rock is clastic and has angular fragments?

Breccia

3. Which rock is bioclastic and composed of carbon?

Bituminous coal

4. What is the composition of siltstone?

very fine quartz, feldspar, and clay minerals.

5. Which rock is composed of Dolomite?

Dolostone

6. What is the grain size of sandstone?

fine to coarse .0004 to .006 cm sand

7. Which rocks have a grain size of 0.2cm or less?

(silt and clay) siltstone and shale

8. Which rock is made from plant remains?

Bituminous coal

9. What is the composition and grain size of Rock Gypsum?

Gypsum → chemical precipitate and evaporite.

10. What is the grain size of limestone?

microscopic to
very coarse