

Name: _____

Date: _____ Period: _____

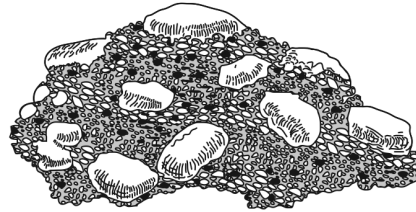
Minerals and Rocks

The Physical Setting: Earth Science

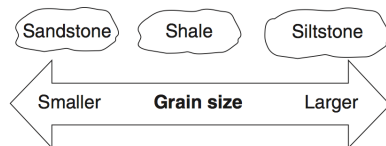
Supplemental: Sedimentary Rocks

Directions: Read each question carefully and circle the correct answer.

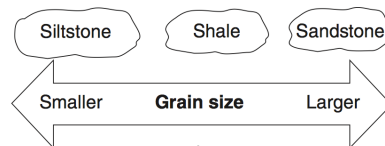
Base your answers to questions 1 and 3 on the diagram below, which represents a rock composed of rounded cemented pebbles and sand.



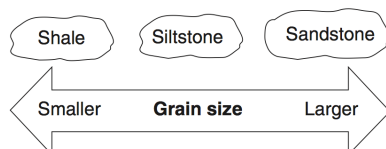
- This rock should be classified as
 - an intrusive igneous rock
 - an extrusive igneous rock
 - a bioclastic sedimentary rock
 - a clastic sedimentary rock
- What is the name of the rock?
 - limestone
 - breccia
 - sandstone
 - conglomerate
- Which observation about the rock best supports this classification?
 - The rock is composed of several minerals.
 - The rock has a vesicular texture.
 - The rock contains fragments of other rocks.
 - The rock shows distorted and stretched pebbles.
- The beaches along Fire Island consist of particles with diameters from 0.01 cm to 0.1 cm. Identify the sedimentary rock that will form when burial and cementation of these sediments occur.
 - siltstone
 - shale
 - sandstone
 - breccia
- Most rocks that form from fragmental rock particles are classified as
 - extrusive igneous rocks
 - intrusive igneous rocks
 - clastic sedimentary rocks
 - crystalline sedimentary rocks
- Which diagram best shows the grain size of some common sedimentary rocks?



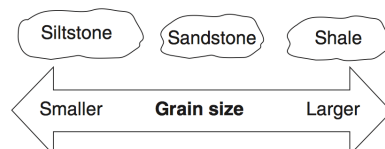
a.



b.



c.



d.