

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Minerals & Rocks

The Physical Setting: Earth Science

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## Worksheet: Sedimentary Rocks

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1. Which sedimentary rock would be formed by the compaction and cementation of particles 1.5 centimeters in diameter?
    - a. shale
    - b. conglomerate
    - c. siltstone
    - d. sandstone
  
  2. Some sedimentary rocks form as the direct result of the
    - a. melting of minerals
    - b. solidification of molten magma
    - c. cementation of rock fragments
    - d. recrystallization of material
  
  3. Which rock is most likely a sedimentary rock?
    - a. a rock composed of distorted light-colored and dark colored mineral bands
    - b. a rock consisting of intergrown crystals
    - c. a rock containing dinosaur bones
    - d. a rock with a glassy texture
  
  4. Limestone is a sedimentary rock which may form as a result of
    - a. biologic processes
    - b. melting
    - c. recrystallization
    - d. metamorphism
  
  5. A sediment contains particles that range in diameter from 2 to 4 centimeters. Which sedimentary rock would be formed when this sediment is compressed and cemented together?
    - a. sandstone
    - b. shale
    - c. siltstone
    - d. conglomerate
  
  6. Which rock was formed by the compaction and cementation of particles 0.07 cm in diameter?
    - a. sandstone
    - b. basalt
    - c. limestone
    - d. shale
  
  7. The sedimentary rock, gypsum, forms as a result of
    - a. evaporation of seawater
    - b. metamorphism of limestone
    - c. weathering of siltstone
    - d. faulting and folding of shale
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8. Sedimentary rocks formed by compaction and cementation of land-derived sediments are classified on the basis of
  - a. particle size
  - b. rate of formation
  - c. composition
  - d. type of cement
  
9. Which sedimentary rock is composed of fragmented skeletons and shells of sea organisms compacted and cemented together?
  - a. shale
  - b. sandstone
  - c. gypsum
  - d. limestone
  
10. Which is a sedimentary rock that forms as a result of precipitation from seawater?
  - a. shale
  - b. gypsum
  - c. conglomerate
  - d. basalt
  
11. Most sedimentary rocks form by which processes?
  - a. subduction and melting
  - b. heat and pressure
  - c. melting and solidification
  - d. compaction and cementation
  
12. Most of the sediment that is compacted and later forms shale bedrock is
  - a. clay
  - b. sand
  - c. silt
  - d. pebbles
  
13. Which mineral precipitates from oceans and forms rock salt?
  - a. quartz
  - b. halite
  - c. fluorite
  - d. olivine
  
14. Most rocks that form from fragmental rock particles are classified as
  - a. extrusive igneous
  - b. intrusive igneous
  - c. clastic sedimentary
  - d. chemical sedimentary