

Earth Systems

CH 6 Rocks Test

Directions: For each statement or question, select the word or expression that best completes the statement or answers the question and write letter on the answer sheet. (1pt each)

1. Which of the following is likely to have formed farthest from the shoreline?
 - a. Pebble conglomerate
 - b. Quartz sandstone
 - c. Silty shale
 - d. Coarse-grained granite
2. All intrusive igneous rocks contain
 - a. Fossils
 - b. Granite crystals
 - c. Minerals
 - d. Microscopic cleavage
3. Which set of characteristics best describes mafic magma?
 - a. High silica content, thin and fluid, forms dark-colored rock
 - b. High silica content, thick and slow flowing, forms light-colored rock
 - c. Low silica content, thin and fluid, forms dark-colored rock
 - d. Low silica content, thick and slow-flowing, forms light-colored rock
4. Fossils are most likely to be found in what types of rocks?
 - a. Volcanic
 - b. Igneous
 - c. Sedimentary
 - d. Metamorphic
5. In the rock cycle, rocks are classified by
 - a. Origin
 - b. Color
 - c. Grain size
 - d. Mineral composition
6. Which type of metamorphism is most likely to change shale to hornfels?
 - a. Deformational
 - b. Contact
 - c. Regional
 - d. Cementation
7. Which of the following pairs include a metamorphic rock and its parent rock?
 - a. Slate and obsidian
 - b. Granite and limestone
 - c. Gneiss and quartz
 - d. Marble and limestone

8. The formation of clastic rock begins when
 - a. Volcanic activity begins
 - b. Cementation is complete
 - c. Water moves and relocated rock fragments
 - d. Water dissolves the minerals in rock
9. Rocks may form chemically when
 - a. Plants and animals form calcium carbonate shells or structures
 - b. Minerals fall out of solution
 - c. Volcanoes erupt
 - d. New rock layers split, forming new rocks.
10. List and describe the three formations of sedimentary rocks we discussed. (3pts)
11. Explain what is meant by sedimentary rocks telling the energy of the environment and the surface environment. (2pts)
12. Fill in the chart below for each type of rock.

	Igneous Rocks	Sedimentary Rocks	Metamorphic Rock
Definition/Description of formation process. (1pt each)			
Types and description.	(2pts)	(3pts)	(2pts)
Example (1/2 pt each)			