



Name \_\_\_\_\_

Date \_\_\_\_\_

# Earth Science - Chapter 3 Vocabulary

intrusive igneous rock  
erosion  
extrusive igneous rock  
deposition  
clastic sedimentary rock  
weathering  
magma  
metamorphism  
rock cycle  
sediments  
igneous rock

mineral  
lava  
compaction  
cementation  
sedimentary rock  
chemical sedimentary rock  
rock  
metamorphic rock  
foliated metamorphic rock  
nonfoliated metamorphic rock

## Matching

Match each definition with a word.

1. \_\_\_\_\_ A consolidated mixture of minerals.
2. \_\_\_\_\_ Igneous rock that has formed on the Earth's surface
3. \_\_\_\_\_ Igneous rock that formed below the Earth's surface
4. \_\_\_\_\_ Loose particles created by weathering and erosion of rock, by chemical precipitation from solution in water, or from the secretions of organisms and transported by water, wind, or glaciers.
5. \_\_\_\_\_ The process by which an agent of erosion loses energy and drops the sediment it is carrying.
6. \_\_\_\_\_ The disintegration and decomposition of rock at or near the Earth's surface.
7. \_\_\_\_\_ Rock formed by the alteration of preexisting rock deep within the Earth by heat, pressure, and/or chemically active fluids.
8. \_\_\_\_\_ A sedimentary rock made of broken fragments of preexisting rock.
9. \_\_\_\_\_ A natural occurring, inorganic crystalline material with a unique chemical composition.
10. \_\_\_\_\_ A metamorphic rock with a texture that gives the rock a layered appearance.
11. \_\_\_\_\_ A body of molten rock found at depth including any dissolved gases and crystals.
12. \_\_\_\_\_ The incorporation and transportation of material by a mobile agent, such as water, wind, or ice.
13. \_\_\_\_\_ Sedimentary rock consisting of material that was precipitated from water by inorganic or organic means.
14. \_\_\_\_\_ Metamorphic rock that does not exhibit a banded or layered appearance.
15. \_\_\_\_\_ A model that illustrates the origin of the three basic rock types and the interrelatedness of Earth materials and processes.



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16. \_\_\_\_\_ Magma that reaches the Earth's surface.
17. \_\_\_\_\_ The changes in mineral composition and texture of a rock subjected to high temperature and pressure within the Earth.
18. \_\_\_\_\_ Solidification of sediments by the deposition of dissolved minerals in the tiny spaces between sedimentary particles.
19. \_\_\_\_\_ A rock formed by the crystallization of molten magma
20. \_\_\_\_\_ Rock formed by from weathered products of preexisting rocks that have been transported, deposited, compacted, and cemented.
21. \_\_\_\_\_ Process by which sediments are squeezed together by the weight of overlying materials driving out water.

# Answer Key

1. rock
2. extrusive igneous rock
3. intrusive igneous rock
4. sediments
5. deposition
6. weathering
7. metamorphic rock

8. clastic sedimentary rock
9. mineral
10. foliated metamorphic rock
11. magma
12. erosion
13. chemical sedimentary rock
14. nonfoliated metamorphic rock

15. rock cycle
16. lava
17. metamorphism
18. cementation
19. igneous rock
20. sedimentary rock
21. compaction