

Types of Rocks

Answer these questions while learning about the different types of rock on the website.

Sedimentary Rock

1. Briefly describe how sedimentary rocks are formed.
2. _____ rocks are sedimentary rocks made from small grains of the minerals quartz and feldspar. They often form in layers and are used as building stones.
3. Sedimentary rocks made up of sulfate minerals formed as the result of evaporating sea water in massive prehistoric basins are _____ rocks.
4. _____ rocks are sedimentary rocks that are made from the mineral calcite which came from the beds of evaporated seas and lakes and from sea animal shells.
5. _____ rocks are sedimentary rocks made up of large sediments like sand and pebbles cemented together with dissolved minerals.
6. _____ is a type of sedimentary rock formed from clay that is compacted together by pressure and are used to make bricks and other material that is fired in a kiln.

Metamorphic Rock

7. Briefly describe how metamorphic rocks are formed.
8. Through tremendous pressure, _____ rocks can be formed from basalt, an igneous rock; shale, a sedimentary rock; or slate.
9. The metamorphic rock _____, may have been granite, which is an igneous rock, but was changed by heat and pressure. You can see how the mineral grains in the rock were flattened through tremendous heat and pressure and are arranged in alternating patterns.

Igneous Rock

10. Briefly describe how igneous rocks are formed.

11. _____ are igneous rocks that form when lava cools quickly above ground. The edges of this type of rock are very sharp and it is actually glass and not a mixture of minerals.

12. _____ is a type of igneous rock that formed by slowly cooling pockets of magma that were trapped beneath the earth's surface.

13. _____ are igneous rocks which were formed when lava cooled quickly above ground and left air pockets in it. This type of rock is so light that it will actually float in water.

14. _____ are igneous rocks formed when lava cooled quickly above ground. This kind of igneous rock is actually a kind of glass and not a mixture of minerals.