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# Metamorphic Rocks

## Rocks That Change

How are metamorphic rocks formed?  
What is foliated and non-foliated?

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{ Geology is the science of the earth.  
Geologists study rocks, minerals, underwater mountains,  
volcanoes and earthquakes }

{ Using the website [Rocks For Kids](#), read about rocks and how metamorphic rocks change. Then below the changed rock write what it was before the change. }



marble was



quartzite was



slate was



schist was

# Do Not Print: Answers

Igneous rocks are formed when molten magma from deep within Earth's crust and upper mantle cools and hardens into solid rock.

Sedimentary rocks are formed from particles of older rock. The particles are deposited into a body of water, a valley or low plain. The collection of particles is known as sediment.

Metamorphic rocks are formed in the Earth where there is great pressure and high temperature. The heat and pressure changes one kind of rock into another kind of rock. It's called metamorphism. From the Greek, meta and morphe mean "change of form".

The rocks' minerals and structure are altered as they can to metamorphic rock. Metamorphic rocks can form from sedimentary, igneous or even other metamorphic rocks. If the sedimentary rock limestone is heated by surrounding magma underground it can turn into marble.

## **Foliated versus Non-Foliated.**

Read Here <http://geology.com/rocks/metamorphic-rocks.shtml>

Foliated metamorphic rocks have a layered or banded appearance that is produced by exposure to heat and directed pressure and non-foliated metamorphic rocks do not have a layered or banded appearance.

Marble was limestone.

Quartzite was sandstone.

Slate was shale.

Schist was shale.