



## Igneous Rocks

Igneous rocks form from the cooling of molten rock, either lava or magma. The mineral composition and rate of cooling of the lava or magma affect what types of rocks form.



### Scoria

- Scoria is a reddish-brown rock that has many small holes.
- Scoria formed as lava cooled quickly, trapping gas bubbles in the rock.
- Fun Fact: Scoria is often used in landscaping because it's so lightweight.



### Wausau Red Granite

- Wausau Red Granite is a red, black, and white rock with small, visible crystals.
- Wausau Red Granite formed as magma cooled inside the Earth at a very slow rate.
- Fun Fact: Wausau Red Granite is the Wisconsin State Rock.

## Sedimentary Rocks

Sedimentary rocks form when small rock and mineral particles are buried, compacted, and cemented together over time. Sedimentary rocks form in layers.



### Limestone

- Limestone is a tan/yellow rock that is commonly used as gravel.
- Limestone formed from sea floors long ago, as shells and sand compacted together.
- Fun Fact: Cave of the Mounds is made of limestone that contains lots of fossils.



### Chert

- Chert is a dark brown, orange-ish rock made of tiny quartz crystals.
- Chert forms from the burial and compaction of silica rich minerals.
- Fun Fact: Chert was used to make tools because of its sharp edges and strength.

## Metamorphic Rocks

Metamorphic rocks form when heat and pressure are applied to sedimentary, igneous and even metamorphic rocks. The original rock is "metamorphosed" or transformed into a brand-new rock.



### Baraboo Quartzite

- Baraboo Quartzite is dark purple, red, or dark brown in color.
- Baraboo Quartzite is metamorphosed sandstone.
- Fun Fact: Baraboo Quartzite makes up the bluffs at Devil's Lake State Park.



### Marble

- Marble is white in color with small crystals visible.
- Marble is metamorphosed limestone.
- Fun Fact: Sometimes fossils from the original limestone can be found in marble.

Did you find something in your collection that is not on this chart? What a great opportunity for you to become a geologist! Ask your teachers for some resources they recommend to help solve the mystery.