

5th Grade Science (6a) – Classify objects in accordance with appropriate criteria.

5th Grade Science (4) – The properties of rocks and minerals reflect the processes that formed them.

How do we classify rocks?

Earth's crust is made of three kinds of rocks: **Sedimentary**, **igneous** and **metamorphic**.

Sedimentary rocks are formed when layers of soil, rocks, and plants are buried and pressed together. As time passes, these loose pieces become rock.

Igneous means “fire-formed”. **Igneous** refers to rocks that are formed by the cooling and hardening of magma or lava. The kind of igneous rock that is formed depends on how quickly or slowly the magma cools, the amount of gas, or the minerals in the magma.

Metamorphic means “change”. Metamorphic rocks are formed when miles of sediment press down on igneous or sedimentary rocks. Earth presses down with great heat and pressure causing the rocks to change



Now draw lines to match the type of rock to its correct definition:

1. Rocks made by molten volcanic rock.
2. Rocks caused by extreme heat and pressure.
3. Rocks created by buried layers of sediment.

Sedimentary
Igneous
Metamorphic

Use a reference book to place these rocks under the correct heading:

MARBLE LIMESTONE BASALT SHALE
SLATE PUMICE SANDSTONE OBSIDIAN

Sedimentary

Igneous

Metamorphic