

Name: _____

Rocks and Minerals Relationships

For each pair of words, explain what the relationship is.

For example: *Rocks and Minerals—minerals are found in rocks, both are a part of the rock cycle.*

Without rocks, there would not be any minerals. All rocks contain minerals. Both are found on the earth's crust. Both are solids, changing and non living.

Crystal—Gem

Intrusive—Extrusive

Igneous—Volcano

Metamorphic—Sedimentary

Magma—Lava

Fossils-Sedimentary Rocks

Rocks and Minerals Relationships

ANSWERS WILL VARY

Crystal—Gem:

Both are minerals, both are found in rocks. A gem is made from crystal and is often made into jewellery.

Intrusive—Extrusive:

Referring to igneous rocks. Rocks that form below the earth's surface are intrusive, rocks that form above the earth's surface are extrusive. Both of these igneous rocks are formed by heat and pressure—Volcanoes. Formed when the rock cools.

Igneous—Volcano:

Igneous rocks are formed by the heat and pressure from the center of the earth that causes volcanoes to erupt and form igneous rocks. When the lava from the volcano hardens, it creates igneous rocks.

Metamorphic—Sedimentary

Both rocks are part of the rock cycle. Without sedimentary rocks, there would not be any metamorphic rocks. Both types of rocks can turn into the other over thousands of years. Sedimentary rocks compact and cement over many years and become metamorphic rocks.

Magma—Lava

Both are part of the rock cycle. Magma is in the earth's crust under the surface, lava reaches the surface. Both are part of volcanoes and both lead to the formation of igneous rock when it cools and hardens.

Fossils—Sedimentary Rocks

Fossils are found in sedimentary rocks. Sedimentary rocks have both skeletal remains and hard parts of plants. Sedimentary rocks also contain organic matter (decomposed animal and plant matter)