



## Mining the Web

Name \_\_\_\_\_

The sites listed below are available on the [Rocks & Minerals](#) page of the [Kid Zone](#) at <http://sciencespot.net/>.

### Site #1: Rock Hounds

1. Explore the [Rock Creations](#) area to complete each section.

For thousands, even millions of years, little pieces of our earth have been eroded-- broken down and worn away by \_\_\_\_\_ and \_\_\_\_\_. These little bits of our earth are washed downstream where they settle to the bottom of the \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_. Layer after layer of \_\_\_\_\_ earth is deposited on top of each. These layers are pressed down more and more through time, until the bottom layers slowly turn into \_\_\_\_\_.

Igneous rocks are called \_\_\_\_\_ rocks and are formed either underground or above ground. Underground, they are formed when the melted rock, called \_\_\_\_\_, deep within the earth becomes trapped in small pockets. As these pockets of magma cool \_\_\_\_\_ underground, the magma becomes igneous rocks. Igneous rocks are also formed when \_\_\_\_\_ erupt, causing the magma to rise above the earth's surface. When magma appears above the earth, it is called \_\_\_\_\_. Igneous rocks are formed as the lava cools above ground.

Metamorphic rocks are rocks that have " \_\_\_\_\_ " into another kind of rock. These rocks were once \_\_\_\_\_ or \_\_\_\_\_ rocks. How do sedimentary and igneous rocks change? The rocks are under tons and tons of \_\_\_\_\_, which fosters \_\_\_\_\_ build up, and this causes them to change. If you examine metamorphic rock samples closely, you'll discover how flattened some of the \_\_\_\_\_ in the rock are.

2. Explore [Discovering Earth's Treasures](#) area to classify each rock. Use I for igneous, S for sedimentary, and M for metamorphic.

___ Conglomerate	___ Gneiss	___ Granite	___ Gypsum
___ Limestone	___ Obsidian	___ Pumice	___ Sandstone
___ Schist	___ Scoria	___ Shale	

3. Try the [Rock Hound Quiz](#). How did you do? 😊 😐 😞