Grade 5 – Assignment for week of (5/26 to 5/29)

Learning about Earth's Rock Types:

So far we have learned about Earth's atmosphere, water, and different types of wind.

This week we will take a look at the solid part of Earth by learning about its different types of rocks.

Science Vocabulary Words-

Rocks: A natural material made up of one or more mineral

Molten: Rock that is melted by heat, like hot lava

Igneous Rock: Rock formed when melted rock cools off and hardens

Sediment: Bits of sand, mud, or small rocks broken down from bigger rocks

Sedimentary Rock: Rocks formed by layers of sediment squeezed together over time

Metamorphic Rock: Changed rocks made when other rock types get heated up and squeezed

Task #1:

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Science Vocabulary Words "Unscramble and Write"

Unscramble each of the following (groups of letters) to make a **science vocabulary word**. Once you figure out the word, write the word, and *write a sentence using the word*.

Example:	
(threa)	
Earth≻	When the aliens visited planet <u>Earth</u> , their favorite food was chicken nuggets
Do the same	e for the next three (groups of letters) below:
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(deesimnt)	

Task #2:

Read the page below called, "Types of Rocks." You will use this information and your science vocabulary to answer questions on the following page called, "Types of Rocks Response Sheet."

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Types of Rocks

near the Earth's surface, deep in the crust, or in the Earth's mantle. There are many different kinds of A rock is made up of one or more minerals. Unlike minerals, rocks are not crystals. Rocks are formed rocks. Rocks are classified into three groups called, igneous, metamorphic, and sedimentary



lava through a volcano, cools off, igneous rock is formed. Fast cooling rocks form small crystals and slow Rocks that form when melted rock hardens are called igneous rocks. When molten rock, like When rocks are changed by heat or pressure, but are not completely melted, they form cooling rocks form large crystals. Some Igneous rocks are granite, obsidian, basalt, and pumice

Some metamorphic rocks are marble, slate, and quartzite. Coal is a metamorphic rock burned for fuel metamorphic rock. Metamorphic rocks are compacted by pressure and heat deep inside the Earth.



Sedimentary rock is rock that has formed from sediment, like sand, mud, and small pieces of rocks. Over long periods of time, these small pieces are squeezed as they are buried under more and formed at a different time. Eventually, they are compressed into sedimentary rock. Some sedimentary more layers of sediment. The bottom layer of sedimentary rock is the oldest and each layer after is rocks are sandstone, shale, and limestone.

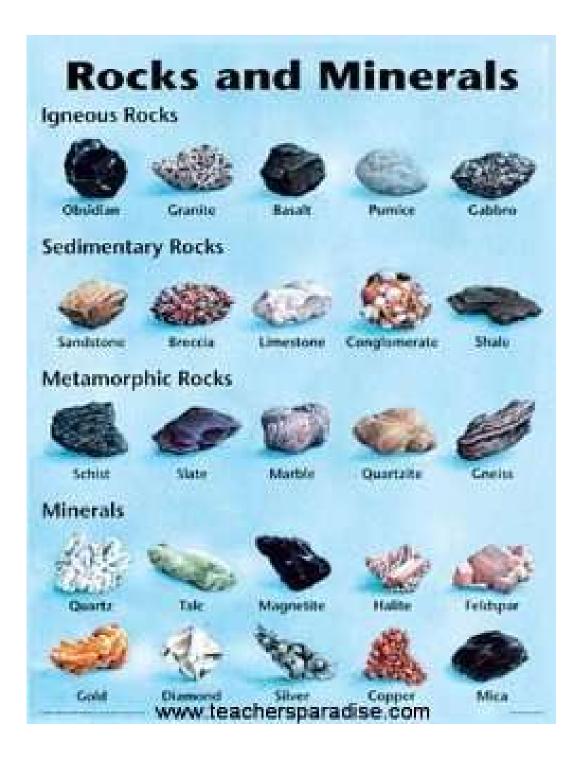
Task #3:

Use the information from the previous page entitled, "Types of Rocks," and your science vocabulary to answer the questions below on the page entitled, "Types of Rocks Response Sheet."

Nan	ne Types of Rocks - Response Sheet Date
Afte	er reading about different types of rocks, answer the following questions:
1.	Use a complete sentence to name the three groups that rocks are classified into.
2.	Use a complete sentence to explain how igneous rocks are formed.
3.	Use a complete sentence to tell what metamorphic rocks are.
4.	Use a complete sentence to explain how sedimentary rocks are made.

Task #4:

Use the pictures below to observe some examples of different types of rocks and minerals. You will use this information to complete the following page called, "Observing Rock Types."



Task #5:

Use what you have learned, your science vocabulary, and the pictures above to do the following:

Observing Rock Types

•	Take a close look at the Igneous Rock called Pumice on the previous page:
	Pumice is made during volcanic eruptions. If you look closely at its picture you may see tiny holes. Pumice is also very light and can even float until it soaks up the water.
	How do you think Pumice got all its tiny holes?
	Take a close look at the Sedimentary Rock called Sandstone on the previous page:
	Sandstone is made on top of Earth's Crust and is made up of mostly of the minerals quartz and feldspar. You can see what quartz and feldspar look like on the Rocks and Minerals page.
	Why do you think that Sandstone comes in most any color?
	Take a close look at the Metamorphic Rock called Gneiss on the previous page:
	Gneiss is made underground from very high temperatures and pressures. If you look closely you can see light and dark bands or layers which make up the rock.
	How do you think these layers in Gneiss are made and what are they made of?