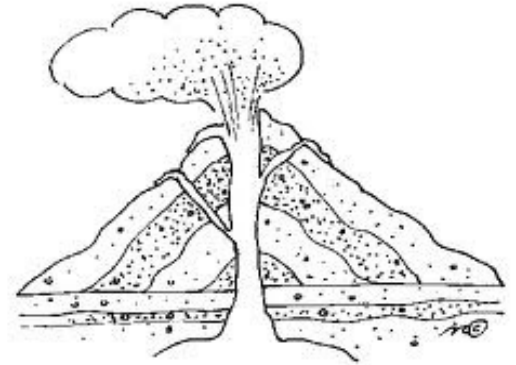


IGNEOUS ROCK

All rocks can be classified into three groups. The groups are determined based on how the rocks have formed. Igneous rocks form when liquid rock cools. Because the Earth's core is very hot, it can melt rock. When liquid rock is under ground, it is called magma. Magma always rises up towards the Earth's surface. As it rises, it slowly cools as it moves farther away from the hot core. This will form an intrusive igneous rock. Other times, magma erupts from a volcano. When magma is outside the earth, it is called lava. Lava cools very quickly when it is outside a volcano. This will form an extrusive igneous rock.



Fill in the blanks, using the words in the word bank, to complete the sentences.

extrusive magma lava intrusive igneous

1. _____ rocks are formed when liquid rock cools.
2. _____ is liquid rock that is still under Earth's surface.
3. An igneous rock formed outside a volcano is an _____ igneous rock.
4. _____ is liquid rock that erupts from a volcano.
5. An igneous rock forms inside the Earth is an _____ igneous rock.

let's learn about **IGNEOUS ROCKS**

Name: _____

**EXPLAIN HOW IGNEOUS
ROCKS ARE FORMED:**

**THE DIFFERENCE BETWEEN
MAGMA AND LAVA:**

**IGNEOUS
ROCKS**

TWO TYPES OF IGNEOUS ROCK:

NAME:

HOW IT FORMS:

NAME:

HOW IT FORMS:

SEDIMENTARY ROCK

Another of the three types of rock is the sedimentary rock. Sedimentary rocks are formed very slowly, over many many years. These rocks are made from small pieces of sediment (old broken down rocks, minerals, fossils, and sand). Sediments are found on the bottom of bodies of water. Over many years, sediments are layered up on top of each other. Chemicals in the water or minerals in the sediment act like glue and help the pieces of sediment stick together. This is how sedimentary rocks are formed.



Fill in the blanks, using the words in the word bank, to complete the sentences.

sediments water chemicals sedimentary stick

1. _____ rocks are formed very slowly, over many years.
2. They are made from small pieces of _____.
3. Sediments are found on the bottom of bodies of _____.
4. _____ in the water or minerals in the sediment help the pieces _____ together.

let's learn about
SEDIMENTARY ROCKS

Name: _____

**HOW IS SEDIMENTARY
ROCK FORMED?**

WHAT IS IT MADE OF?

**SEDIMENTARY
ROCKS**

**HAVE YOU SEEN
SEDDIMENTARY ROCK?**

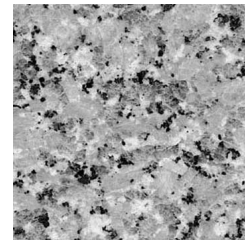
WHERE?

**HOW DO THE SEDIMENTS
STICK TOGETHER?**

WHAT DID IT LOOK LIKE?

METAMORPHIC ROCK

Metamorphic rocks are rocks that change from extreme heat and pressure inside the Earth. The temperature inside the Earth, along with the weight of tons of land pressing down on the rock, causes it to go through a physical or chemical change. Some metamorphic rocks are made by sandstone being pressed together. Sandstone will change to quartzite, one of the hardest rocks, through this process. Another type of metamorphic rock forms when pressure rearranges the minerals inside rocks into layers, instead of grains that are found in igneous rock. In the picture, you can see that the first rock, granite, contains specks, or grains of minerals. After being pushed down from the pressure of the earth, these specks form layers and change to the metamorphic rock, gneiss.



Fill in the blanks, using the words in the word bank, to complete the sentences.

pressure layers metamorphic heat change

1. _____ rocks go through a physical or chemical change.
2. Metamorphic rocks are formed from extreme _____ and _____.
3. The pressure of the Earth can cause grains in igneous rock to change into _____ that are commonly found in metamorphic rocks.
4. Metamorphic rocks are rocks that _____ into another type of rock.

let's learn about
METAMORPHIC ROCKS

Name: _____

**WHAT CAUSES
METAPHORIC ROCKS:**

**EXAMPLES OF
METAMORPHIC ROCKS:**

**METAMORPHIC
ROCKS**

TWO TYPES OF METAMORPHIC ROCK:

HOW IT FORMS:

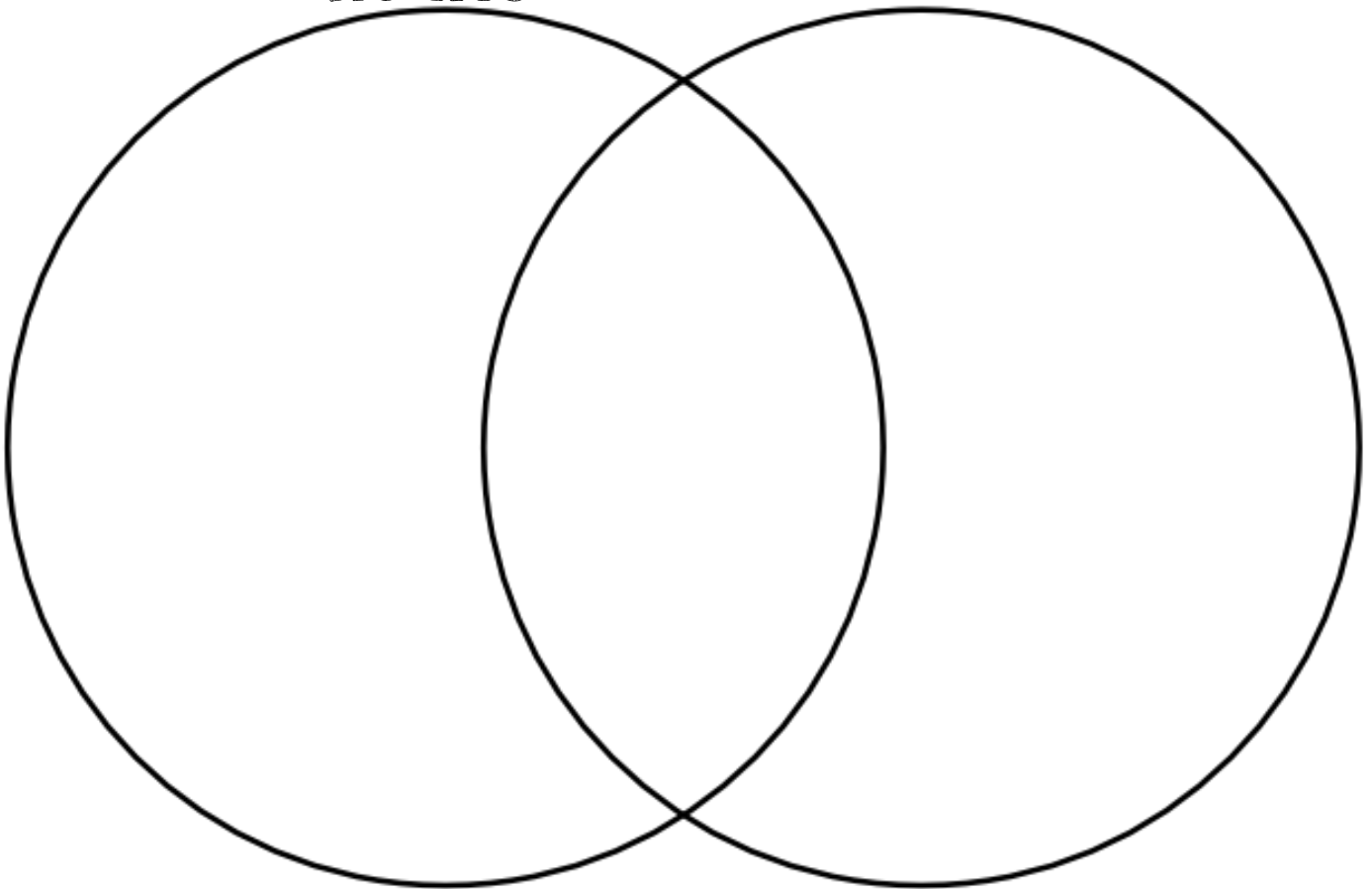
HOW IT FORMS:

observing characteristics of
ROCK AND WOOD

Rocks and wood are two objects you can find in nature. Use your sense of sight and touch to determine the similarities and differences between a rock and a piece of wood.

ROCKS

WOOD



Write a few sentences to describe your findings.

let's learn about ROCK TYPES

Name: _____

Find words in the wordsearch. Write them on the lines provided.

C	F	D	E	H	F	R	W	E	C
D	I	G	N	E	O	U	S	Y	H
M	N	S	U	A	S	T	H	U	E
A	T	H	E	T	S	W	R	W	M
G	R	R	F	Y	I	J	K	F	I
M	U	H	A	T	L	K	R	J	C
A	S	I	K	W	S	L	A	V	A
M	I	N	E	R	A	L	S	U	L
H	V	U	O	W	T	R	E	U	S
F	E	X	T	R	U	S	I	V	E
P	R	E	S	S	U	R	E	R	J

Use the words you found to complete the paragraph about ROCK TYPES.

_____ rocks form when liquid rock cools. When liquid rock is under ground, it is called _____. As Magma rises it slowly cools to form _____ igneous rock. When magma is outside the earth, it is called _____. It cools very quickly when it is outside the earth. This will form an _____ igneous rock. Sedimentary rock are made from broken down rocks, sand, _____ and _____. _____ in the water act like glue and stick pieces of sediment together. Metamorphic rocks change from extreme _____ and _____ inside the Earth