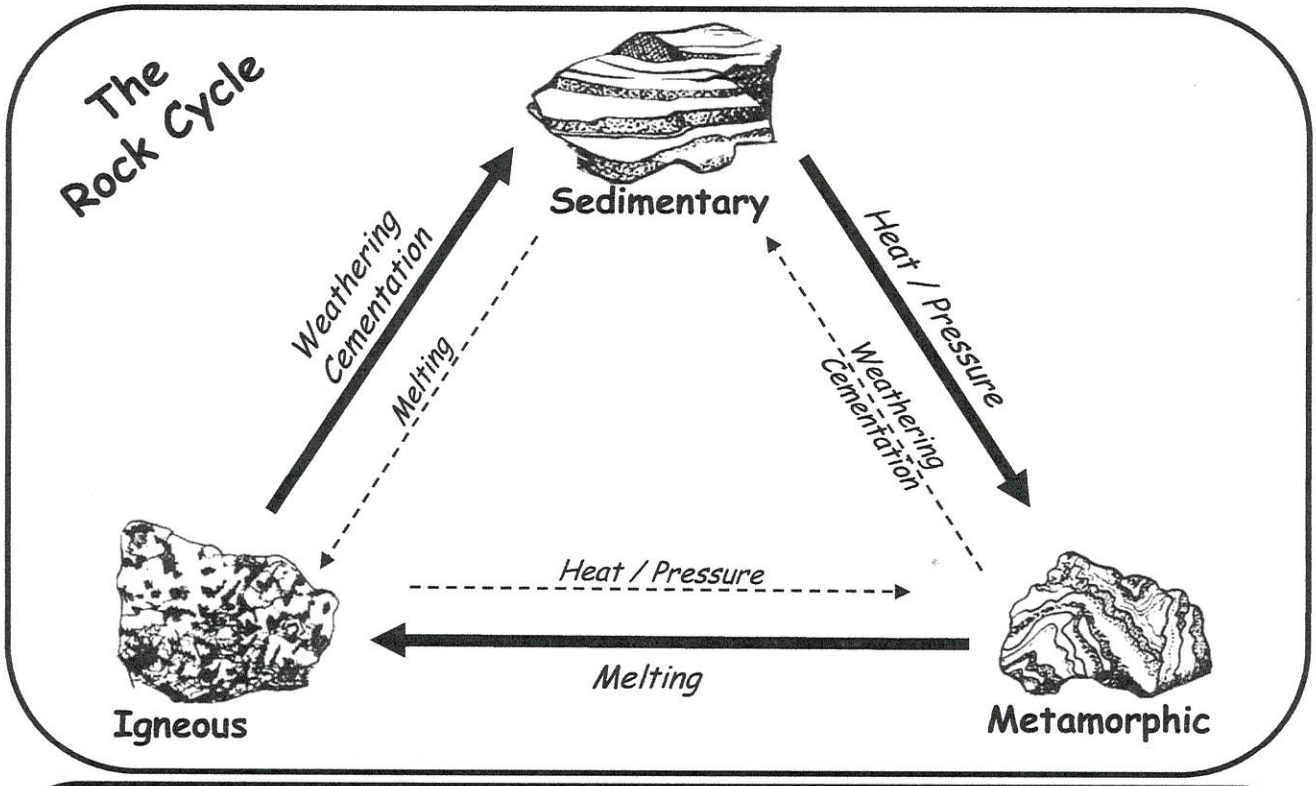
Rocks: The Rock Cycle

Name_____

Instructions: Look at the Rock Cycle diagram below, and read the description. Then complete the activity at the bottom of the page.



The **Rock Cycle** is the process of recycling and changing rocks from one type of rock into another by Earth's geologic processes. The three main forms of rock; *Igneous, Sedimentary*, and *Metamorphic* all can be changed into each other by a variety of ways. Rock that has melted can become Igneous rock. Rock that has been weathered down and cemented together can become Sedimentary rock. Rock that has been under great heat and pressure can change into Metamorphic rock. Even though it is called the Rock Cycle, any type of rock can change into any other depending on geologic events.

Complete the statements below by using one of the 3 choices shown here:

Weathering/Cementation ***Melting*** ***Heat Pressure***

1- To turn Igneous into Metamorphic you need: *Heat Pressure*

2- To turn Metamorphic into Sedimentary you need: *Weathering/Cementation*

3- To turn Sedimentary into Igneous you need: *Melting*

4- To turn Metamorphic into Igneous you need: *Melting*

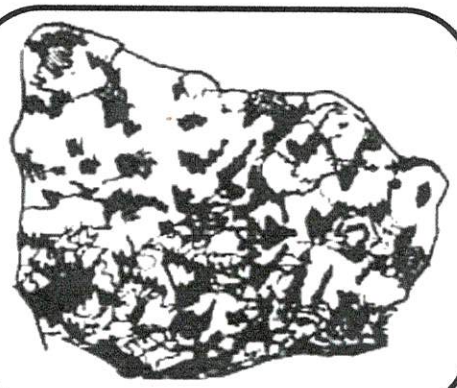
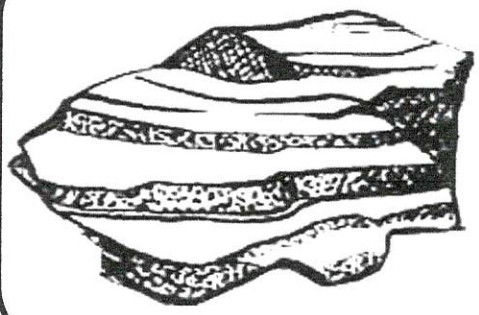
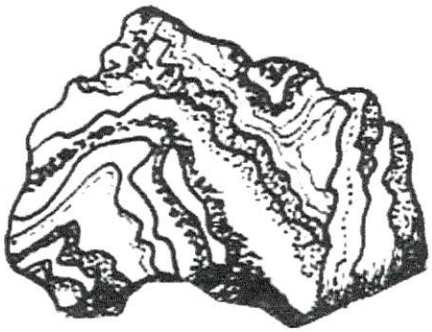
5- To turn Igneous into Sedimentary you need: *Weathering/Cementation*

6- To turn Sedimentary into Metamorphic you need: *Heat Pressure*

Rocks: Identifying & Classification

Name_____

Instructions: Read through the rock descriptions then complete the "What Type" fill in questions below.

Igneous	Sedimentary	Metamorphic
		
Igneous rocks are formed from molten rock. Magma produced igneous rocks have large mineral crystals that formed inside the Earth . Lava produced igneous rocks can have gas bubbles or tiny crystals that formed outside on the Earth's surface.	**Sedimentary** rocks are composed of rounded grains or fragments of other rocks cemented together in layers. Many sedimentary rocks contain fossils of plants or animals. Sedimentary rocks usually form in a water environment like an ocean, lake or stream.	**Metamorphic** rocks are formed inside the Earth from heat and pressure. Although metamorphic rock are not liquid, the intense heat and pressure makes them change into a metamorphic rock. Visible layers may be bent or distorted.

"What Type" questions:

1- What type of rock might contain evidence of past life? Sedimentary

2- What type of rock contains large crystals? Igneous

3- What type of rock might contain holes from gases? Igneous

4- What type of rock has visible flat layers? Sedimentary

5- What type of rock changes by intense heat / pressure? Metamorphic

6- What type of rock contains rounded grains? Sedimentary

7- What type of rock comes from liquid rock material? Igneous

8- What type of rock has wavy banding /layers? Metamorphic