

# The Rock Cycle

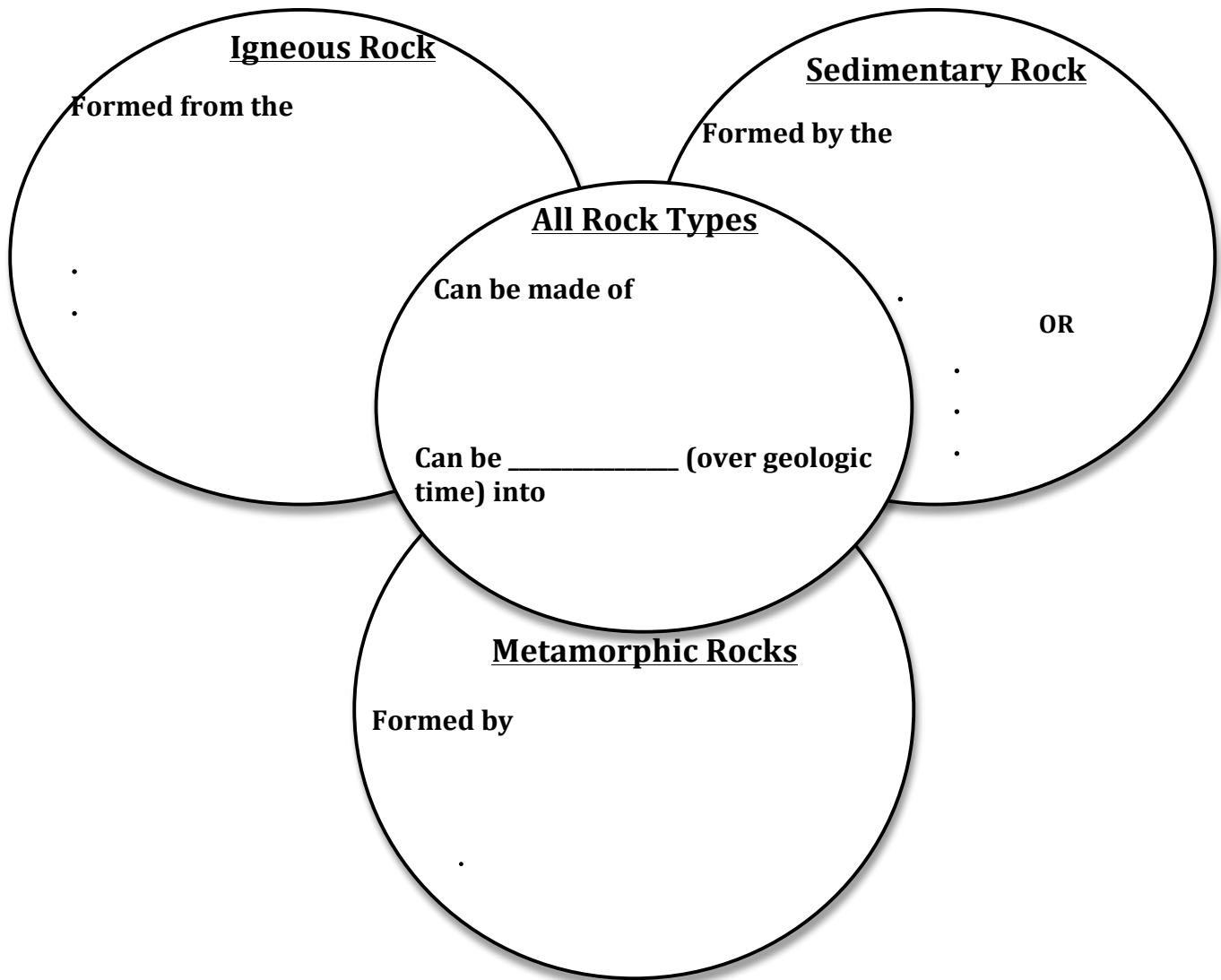
Name: \_\_\_\_\_ Block: \_\_\_\_\_

## Classification of Rocks

- Each rock type is classified by \_\_\_\_\_ they are formed.

## The 3 rock types:

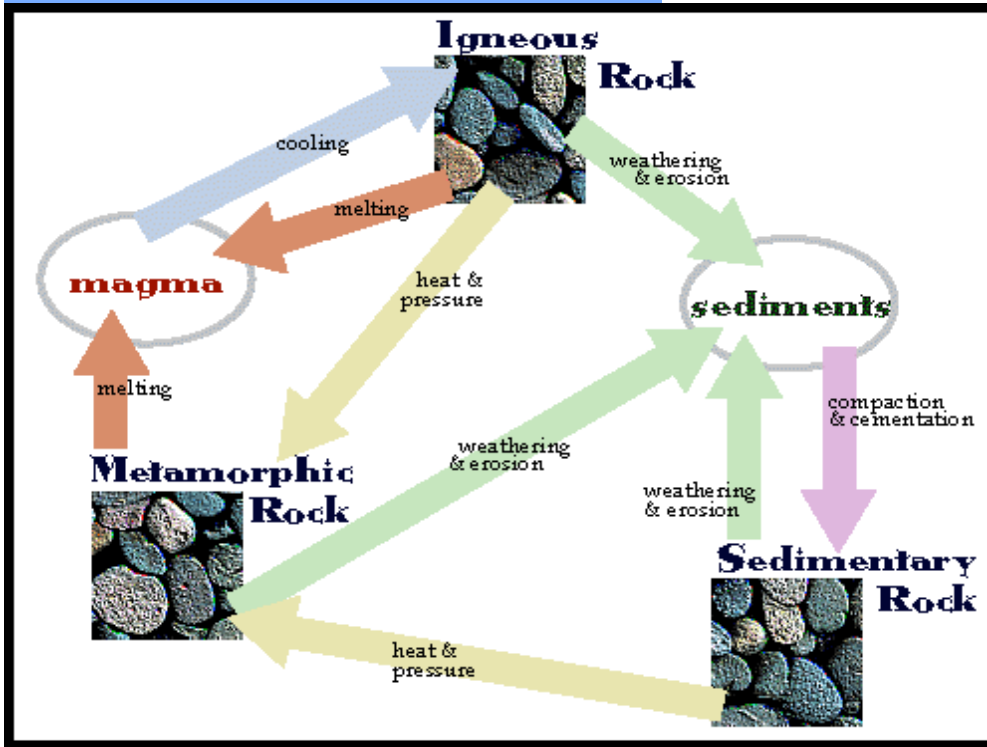
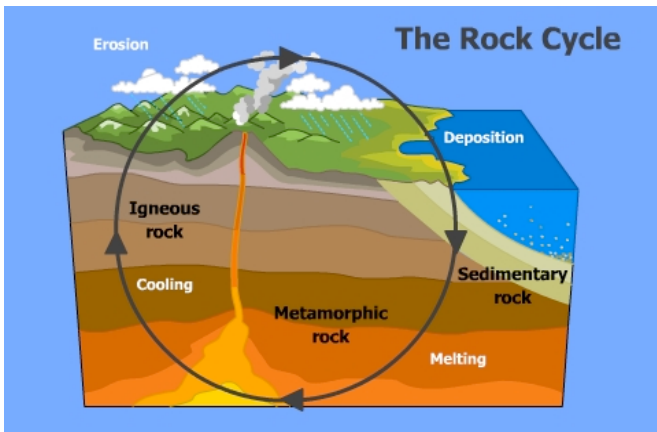
- Igneous
- Sedimentary
- Metamorphic



## All rocks are in a constant (although extremely slow) state of change due to:

- Weathering and erosion (*breaks rocks into* \_\_\_\_\_)
- Compaction and cementation of sediments (*creates new* \_\_\_\_\_ *rocks*)
- Movement of Earth's crust (*causes* \_\_\_\_\_ *and heat*)
- Volcanic activity (*melts rocks into* \_\_\_\_\_ *which cools to create IGNEOUS rocks*)

**The Rock Cycle** shows how one rock type can transform into another type of rock.



Notice the 5 arrow types:

- Cooling
- Melting
- Weathering and Erosion
- Heat and Pressure &
- Compaction and cementation

There should be 1 more "melting" arrow and 1 more "heat & pressure" arrow, where do they go? Draw them into the diagram on the left.

What are the two intermediate stages that are not rock types?

