# The Rock Cycle
## Breaking it Down

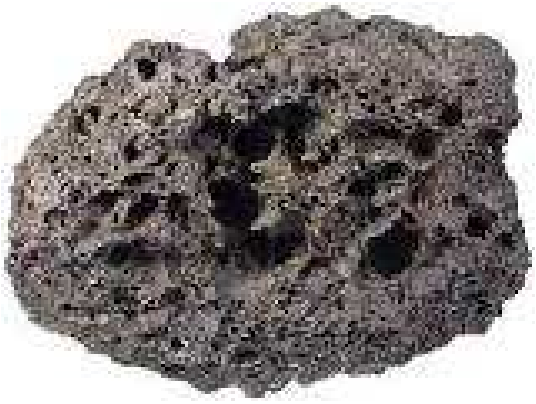
We will investigate the principles of Igneous rock and how it breaks down over time (millions of years), settles at the bottom of ocean to make sedimentary rock and through heat and pressure, compresses into magma.

**Igneous Rock** (product of volcanic activity) into **Sedimentary**

**Step One – Tableau** - Create a tableau representation of igneous rock (porous rock made from cooled magma).

**Step Two – Movement -** Create a pantomime sequence representing how an igneous rock can form into sedimentary. Through weathering and deposition, sediment is transported by water (rivers, lakes, oceans, etc.) and bits of igneous rock **break down** and cement with other sediment (sand, shells, etc.) which is usually deposited in layers.

**Step Three – Tableau –** End with a tableau depiction of sedimentary rock (various pieces of sediment that have cemented together).



Igneous Rock

Sedimentary Rock

**Sedimentary Rock into Metamorphic**

**Step One: Tableau -** Create a tableau representation of what a sedimentary rock looks like. Bits of igneous rock cemented with other sediment (like sand, shells, etc.).

**Step Two: Movement -** Create a pantomime sequence depicting how **heat and pressure** increases within the depth of the earth. This pressure can actually squeeze the spaces out of the minerals within the rock. The heat and pressure together cause the rock to flow instead of break or fracture.

**Step Three: Tableau –** End with a tableau depiction of Metamorphic rock. Through heat and pressure, pre-existing rock transforms into a physical or chemical change (e.g., marble, slate).

Sedimentary Rock

Metamorphic Rock

**Metamorphic Rock into Magma**

**Step One: Tableau –** Create a tableau representation of Metamorphic rock. Through heat and pressure, pre-existing rock transforms into a physical or chemical change (e.g., marble, slate).

**Step Two: Movement –** Create a pantomime sequence depicting **melting minerals** that turn into magma and eventually erupts.

**Step Three: Tableau –** End with a tableau depiction of lava oozing out of a volcano.

Metamorphic Rock

Magma