



The Rock Cycle

The Forever Cycle

- The rock cycle has been happening for billions of years.
- Because of this most rocks on earth are not very old. (Most rocks are less than 80 million years old)
- Scientist classify rocks by how they are formed
- The texture, chemical composition, and type of rock are all determined by the formation process.

Sedimentary Rock

- Sedimentary rock is made up of sediments of weathered and eroded pieces of other rocks
- It has pieces of all types of other rocks making up its composition
- Sedimentary rock can be compressed into metamorphic rock
- It can be melted and then re-cooled to form igneous rock
- It can be weathered and eroded back into a new sedimentary rock.

Igneous rock

- All rocks can melt to form magma which then solidifies into an Igneous rock
- Igneous rock can be melted into magma which then cools and solidifies into a new igneous rock
- It can be weathered and eroded into sediment to form sedimentary rock
- It can be heated and compressed to form a metamorphic rock

Metamorphic rock

- Metamorphic rock can be made by compressing and heating any type of rock.
- It can melt into magma to form an Igneous rock
- It can be heated and compressed to become a new metamorphic rock
- It can be weathered and eroded into sediments that form sedimentary rock.

