**Organic**

**Build up of plants,**

**animals or shells**

**Minerals dissolving in water/ minerals can settle or precipitate out**

**Heat and pressure form movement of Earth’s crust**

**Regional Metamorphism**

**Contact with heat (magma)**

**Contact Metamorphism**

**Compacted sediments (rock fragments)**

**Clastic**

**Chemical**

**Vesicular: may contain air bubbles**

**Small Crystals - Fine-grained**

**Lava cools quickly on the Earth’s surface**

**Large crystals- Coarse-grained**

**Magma cools slowly beneath the Earth’s surface**

**Intrusive**

**Extrusive**

**Form from the cooling of magma and lava.**

**(on or below the Earth’s surface)**

**Form from the change of rock due to intense heat and pressure.**

**(below the Earth’s surface)**

**Form from the compaction and cementation of sediments (rock fragments).**

**(on the Earth’s surface)**

**Metamorphic Rocks**

**Sedimentary Rocks**

**Igneous Rocks**

**Classified based on how they from**

**Rocks**

**Minerals**

Igneous