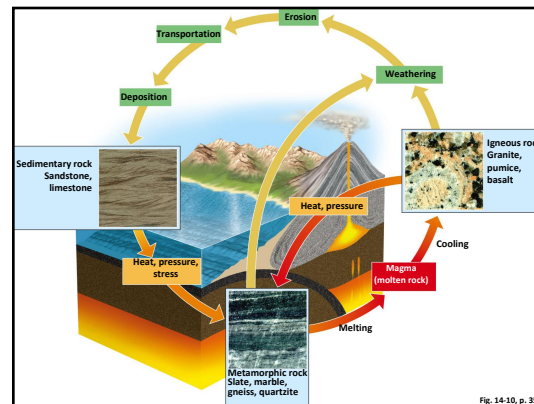


- ## Rock Cycle
- Cycle of creating, destructing, and metamorphosis of rock
  - Three major rock classifications:
    - Igneous
    - Sedimentary
    - metamorphic

- ## Minerals & Rocks
- Minerals
    - Naturally Occurring
    - Crystalline Structure
    - Inorganic
    - Solid
  - Rocks – solid, cohesive, aggregate of one or more crystalline minerals

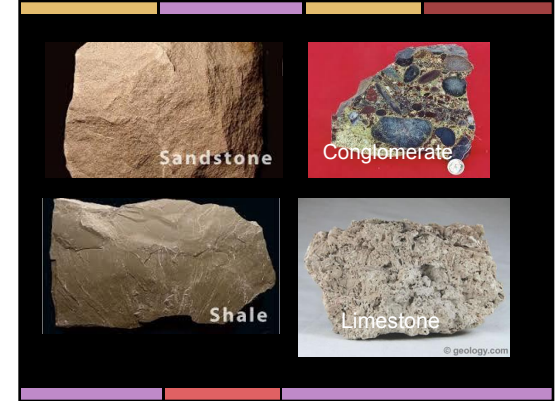


- ## Igneous
- Formed from magma cooled underground OR cooled lava after a volcano erupts
  - Quicker cooling leads to smaller crystals
    - **Extrusive** (outside cooling) - small crystals
    - **Intrusive** (inside cooling) - large crystals



## Sedimentary

- Formed from particles of other rocks (called *sediment*) that are worn off other rocks
- The sediments get turned into rock by being buried and compacted by weight of rocks or by being cemented together by materials that have been dissolved in water



## Metamorphic

- rocks formed when other rocks are exposed to great heat AND/OR pressure
- -pressure and heat can come from being buried deep in the earth or from proximity to magma



## External Earth Processes

**Weathering:**  
breakdown of solid rock

- Mechanical (Physical) weathering**
  - Frost wedging, freeze thaw cycle
- Chemical Weathering**
  - Oxidation (losing/gaining e-)
  - Hydrolysis (splitting of water)

**Erosion:**  
process by which earth particles are moved from one place & deposited in another

- Wind
- Water
- Ice
- Gravity