Science 8—After Lesson 3—Lecture Notes

September 29, 2015

3 Types of rocks

* Igneous
* Metamorphic
* Sedimentary

**Igneous Rocks—**

Most Abundant on Earth

Formed from melted rock {liquid}

Classification—Texture

* Intrusive—Formed in the Earth—Slow cooling
  + Large crystals-coarse grained
* Extrusive—Formed outside on the surface of the Earth—Rapid Cooling
  + Small crystals—fine grained

Example Rocks-

1. granite
2. basalt
3. pumice
4. obsidian

**Sedimentary Rocks**

Most Abundant on Surface of Earth

Formed from cementation/compaction and from deposition of minerals coming out of a liquid

Example Rocks-

1. limestone
2. shale
3. sandstone

**Metamorphic Rocks**

A “Changed” Rock

Formed from parent rocks through heat, pressure or contact of hot liquids

**Note!!—There is NO melting involved in the formation of metamorphic rocks!**

Classification—Texture

* foliated—
  + layered
* nonfoliated—
  + no layering

Example Rocks-

1. gneiss—foliated—parent rock—granite
2. marble—non foliated—parent rock—limestone
3. slate—foliated—parent rock—shale
4. schist—foliated—parent rock-slate, shale, gneiss