Regents Topic Test # 7 Rocks & Minerals

- Minerals - Rocks (Mixtures) - Bioclastic / Organic

- Naturally occurring - Igneous (Ignite/fire/melt ) - Metamorphic ( Change )

- Inorganic Solid - First & Most Common - Heat and Pressure

- Set Chemical Composition - Intrusive ( Underground) - Recrystalization - harder

- Set Crystal Structure - Slow cool = large crystals - Foliated ( layers )

- Compound - Extrusive ( Above ground) - Banding ( mineral layers )

- Color: how it looks - Instant cooling ( Glassy ) - Non Foliated

(Why least Scientific) - Vesicular (Rock w/ bubbles) - Contact Met ( Touching )

- Hardness: scratching - Finding mineral %’s pg 11 - Regional Met ( ex. Mts )

(Mohs / field testing) - Felsic (Al) / Mafic (Fe, Mg) - Rock Cycle ( any to any )

- Luster: reflecting light - Sedimentary (Sediment) - % element chart pg 1

(Metallic / Non ) - Cementation / Compaction - Granite – Gneiss

- Streak: powder - Most common on surface - Intrusions (Sill, Dike)

(Always the same) - Best for Fossils (Batholith, Laccolith)

- Breakage: how it splits - Clastic (fragmental)

(Fracture / Cleavage) - Based on piece size

- Atomic Arrangement - Crystalline / Chemical

- Other tests (ex. Taste) - (Precipitates / Evaporates)

Text book pages: Chapters: 2,3

**ESRT – pg. 1, 6, 7, 11,**

Review book: Topic # 11

Topic 11-

Bioclastic Sedimentary Rocks Fracture Mineral Resources

Aka - Organic Hardness Organic

Chemical Sedimentary Rocks Igneous Rock Precipitation of minerals

Clastic Sedimentary Rocks Inorganic Regional Metamorpism

Cleavage Intrusive Igneous Rock Rock Cycle

Contact Metamorphism Luster Sedimentary Rocks Crystal Shape Magma Streak

Crystal Structure Metamorphic Rock Texture

Extrusive Igneous Rocks Metamorphism

Foliation Mineral

Fossil Mineral Crystal