

Guided Notes

Rocks & Minerals

1. What is a Mineral
2. Mineral Properties
3. Rock Cycle
4. Igneous Rocks
5. Sedimentary Rocks
6. Metamorphic Rocks

5. What are rocks?

- **Rock: Solid materials composed of one or more minerals**
 - **Polymineralic: rock composed of two or more minerals mixed together**
 - **Monomineralic: rock composed of a single mineral**

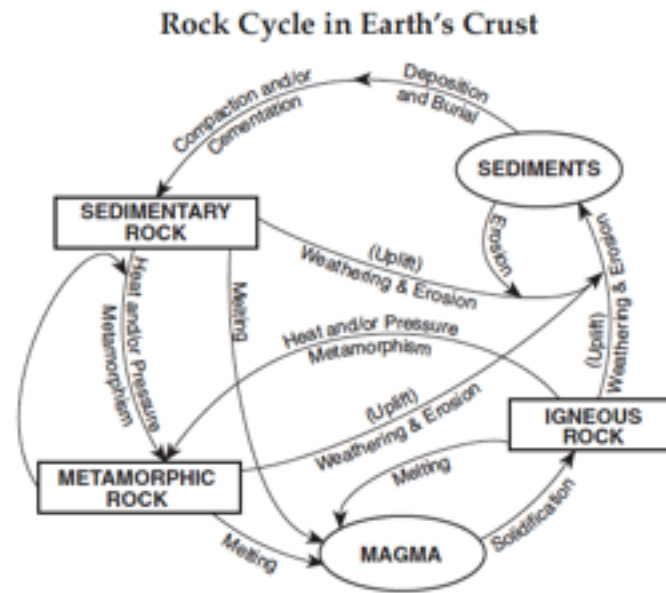
6. How are rocks classified?

- **Rocks are classified based on how they were formed (see ESRT page 6: Rock Cycle in Earth's Crust)**



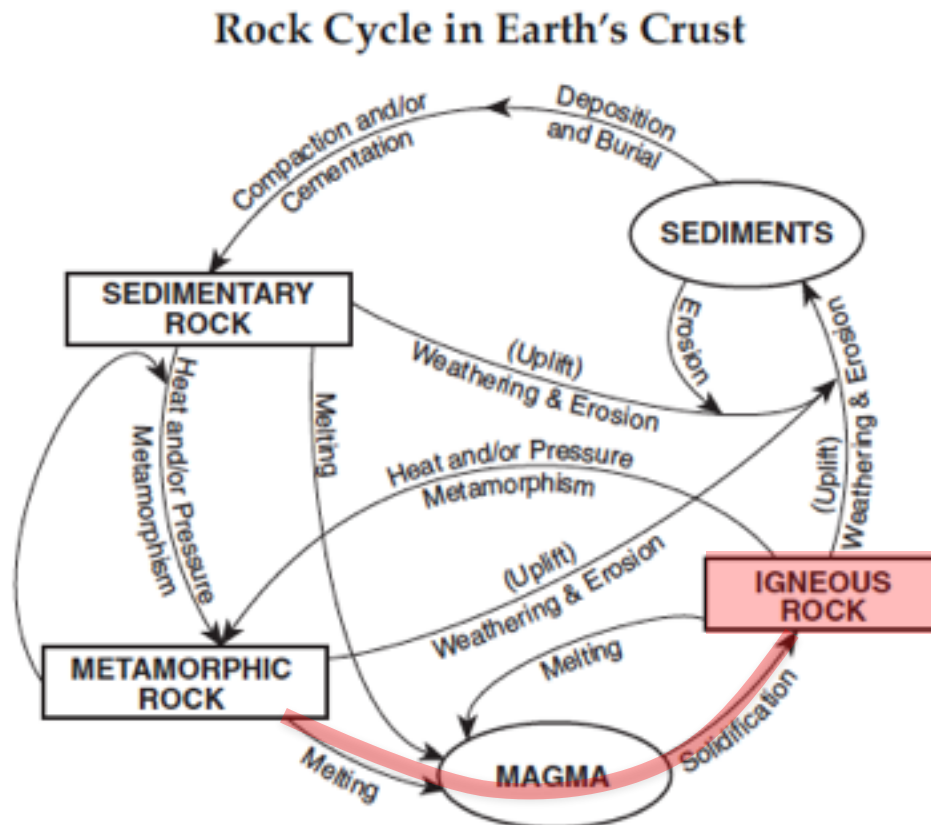
7. How do rocks form?

- **The Rock Cycle**: the continuing change from one rock type to another rock type over a very long period of time (ESRT page 6)



7. How do rocks form?

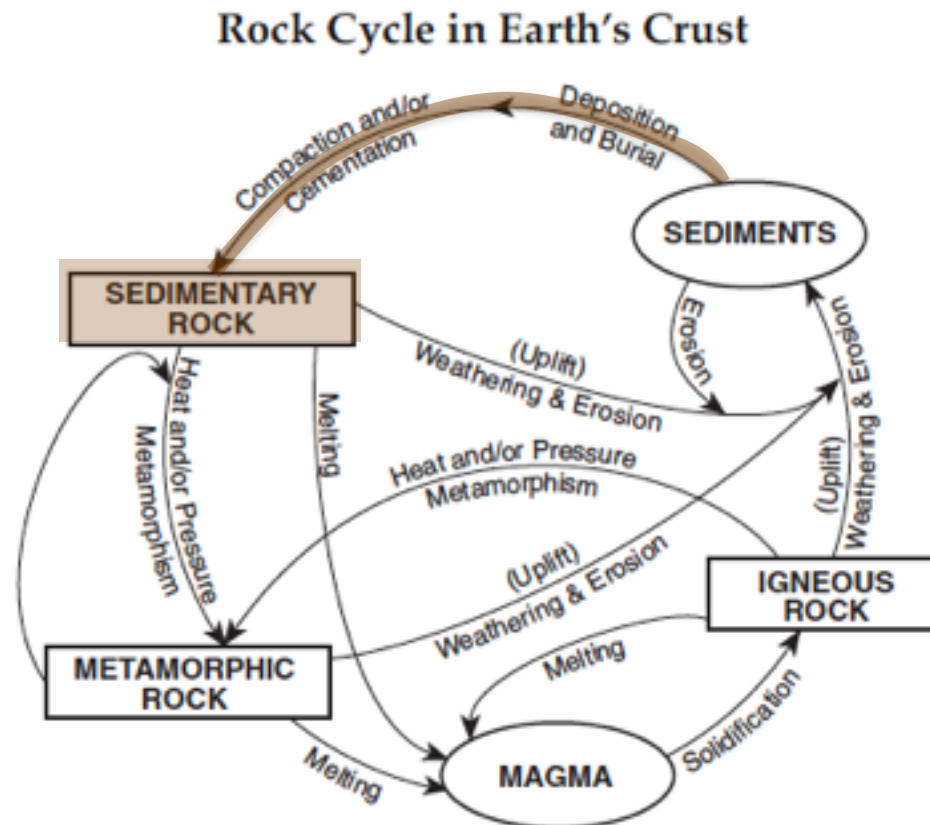
1. Igneous Rocks: formed from melting and solidification of magma/lava



To determine how a rock formed, read the terms on the arrow(s) pointing to that rock

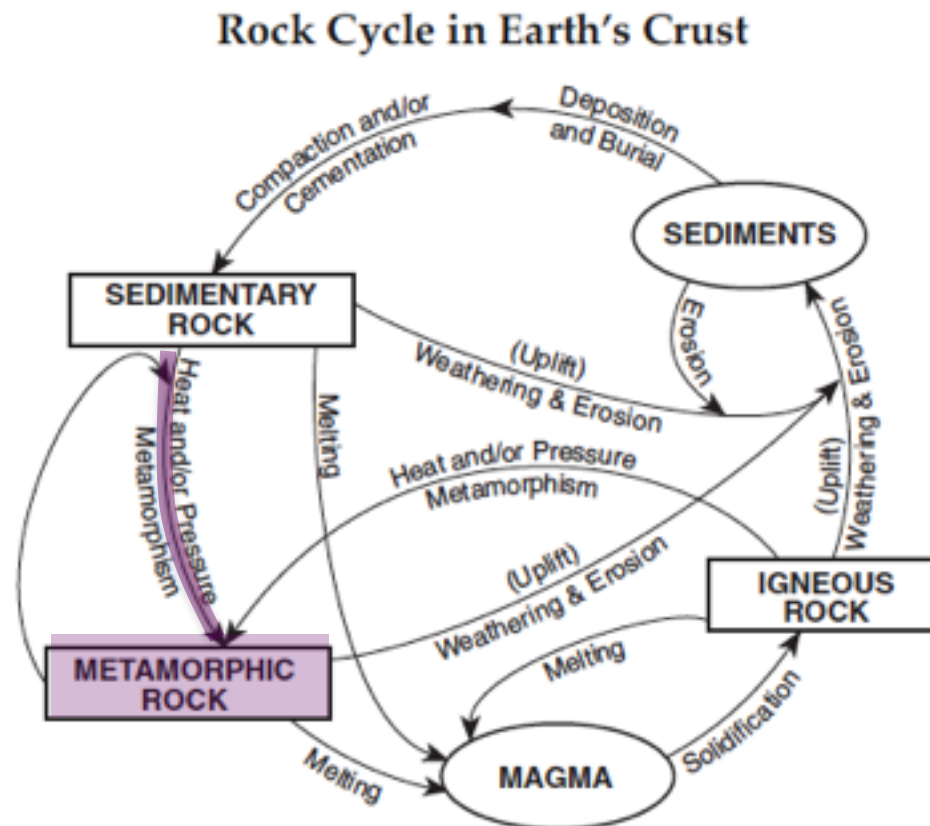
7. How do rocks form?

2. Sedimentary Rocks: deposition, burial, compaction, and cementation of sediments



7. How do rocks form?

3. Metamorphic Rocks: formed from any rock type due to extreme heat and pressure



✓ **Review - Rock Cycle:** Using the clues provided and ESRT to answer following questions.

1. As magma cools, it forms _____ rock by the process of _____.

2. Igneous rocks can form _____, _____ and _____ rocks.

3. Sediments form _____ by the process of _____.

4. Sediments form from the process of _____.

5. Sedimentary rocks can form _____, _____ and _____ rocks.

6. Which process changes igneous rock into metamorphic rock?

7. Which process changes sedimentary rock into igneous rock?

8. Which process changes metamorphic rock into sedimentary rock?

9. Metamorphism involves the addition of _____ and _____ to pre-existing rocks.