Name: _____

Date: _____ Period: _____

Minerals and Rocks

Earth Science

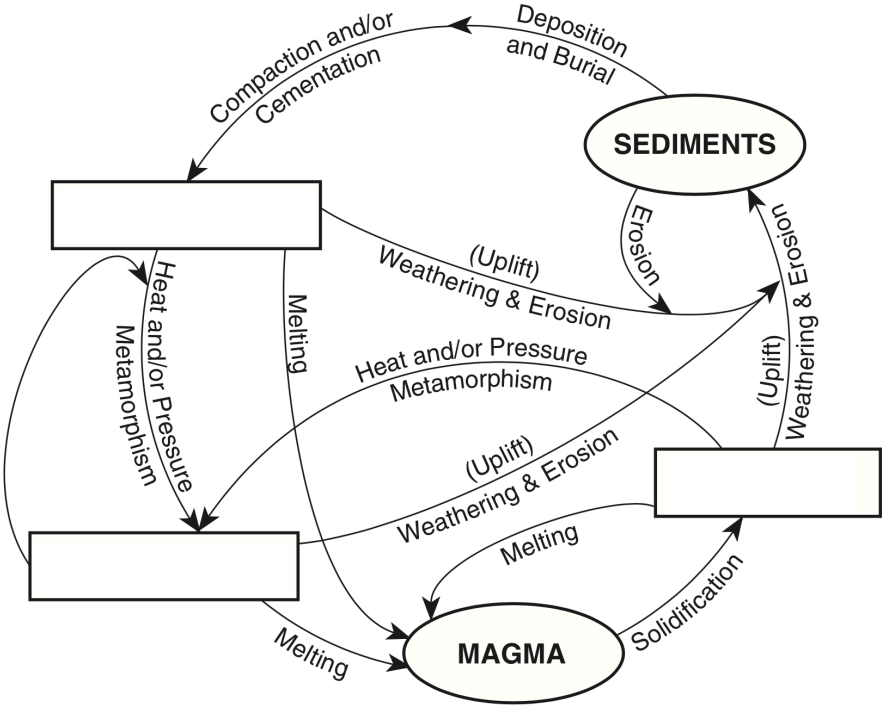
Packet: The Rock Cycle

CLASS NOTES

- The Rock Cycle - _____

  _____

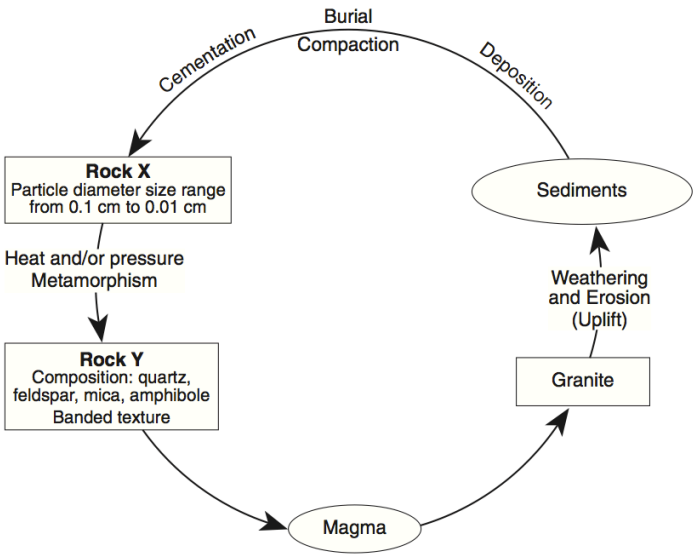
  - Any rock type can change into another rock type, therefore any rock could contain materials that were once part of another rock
- Igneous - formed from _____ and _____
- Sedimentary - formed from fragments held together by _____ and/or _____
- Metamorphic - formed from _____ and/or _____
- Driving Force - the processes or mechanisms that create the different rock types are:
  1. _____
  2. _____
  3. _____



Packet: The Rock Cycle

PART I QUESTIONS: MULTIPLE CHOICE

Base your answers to questions 1 through 4 on the graph below and on your knowledge of Earth science.



1. Rocks are classified as igneous, sedimentary, or metamorphic based primarily on their
    a. texture
    b. crystal or grain size
    c. Method of formation
    d. Mineral composition

2. Which statement about the rock cycle is not true?
    a. Cementation is a process that leads to sedimentary rocks.
    b. When heat is applied to a rock and it melts, it may form a metamorphic rock.
    c. A sedimentary rock in the future may change into another type of sedimentary rock.
    d. Solidifications is always needed to form an igneous rock.

3. Identify metamorphic rock y?
    a. quartzite
    b. gneiss
    c. granite
    d. schist

4. How does the igneous rock granite form?
    a. melting and solidification
    b. heat and pressure
    c. weathering and erosion
    d. compaction and cementation