



Topic/Objective CHAPTER:

NAME:

ROCK CYCLE

Pd: 1 2 4 5 other

DATE

Essential Question

Describe the Rock Cycle?

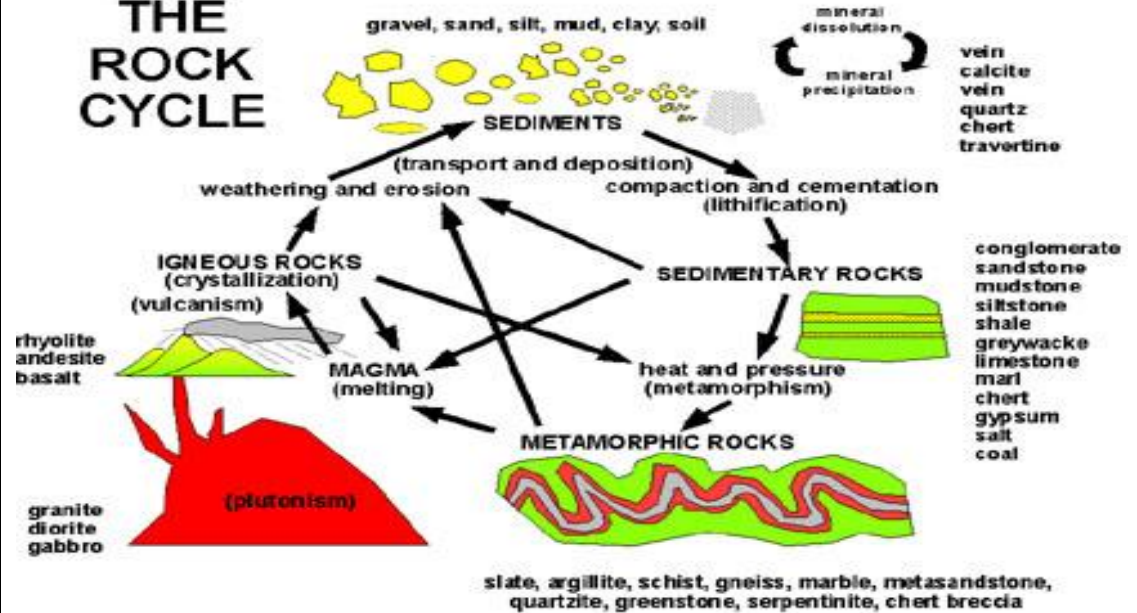
Cue: Review:
Thoughts: Main Idea

NOTE Taking AREA:

- No beginning and no ending; start anywhere you like..
- Is a process that shows how rock (RX) slowly and continuously change through time and remake RX
- This process takes a long time & rocks can remain in the same area

Rock Cycle

THE ROCK CYCLE



Solidification

MAGMA -- IGNEOUS RX

- Process in which magma/Lava turns to solid form or turns hard.

ALL MAGMA is by melting

IGN rx to MAGMA... melting (solid to liquid)

IGN RX -- SEDIMENT

Weathering

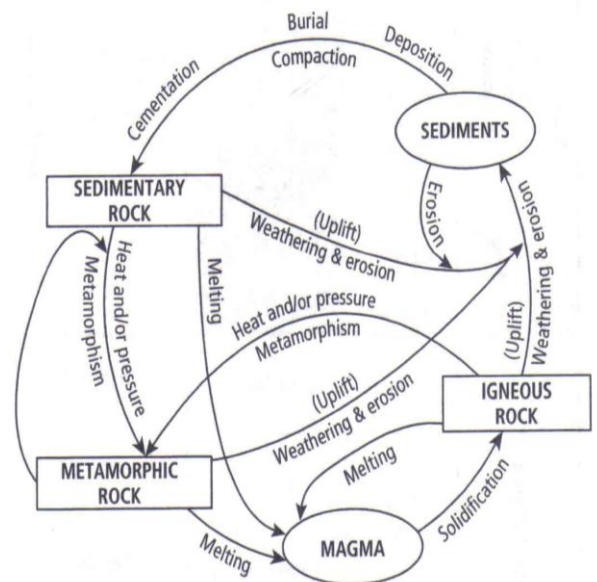
- Is the chemical and mechanical (physical) process of breaking down of ANY types of rock into smaller pieces called *Fragments* or *Sediment*

Erosion

- The process by which weathered particles are transported to a new location.

SEDIMENT – SEDIMENT

ALL sediment is made from Weather & Erosion



NOTES CONTINUE ON OTHER SIDE



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NOTE Taking AREA:

Deposition

SEDIMENT – SEDI RX
 (e.g. snow-snowball)

Compaction

- Occurs when particles are deposited or dropped in a new location
- Process which smaller sediment is pressed together to form a rock.

Cementation

- Process in which sediment is “glued” together by dissolved minerals...

Two common types of cement

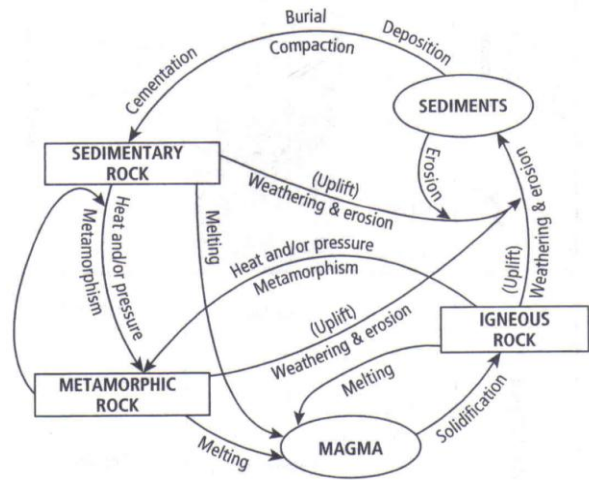
Quartz & Calcite are the most common types of cement. If a RX effervesces then it contains CALCITE within it

Protolith

SEDI RX – META RX
 (e.g. Bread-toast)

- Add Heat and/or Pressure
- Heat allows atoms in the rocks to rearrange themselves in response to pressure change, Temp change, or chemical reaction.
- The original rock... the 1st rock... parent rock... COUNTRY ROCK

META RX – META RX
 • More Heat and/or Pressure



SUMMARY:

Rock cycle in Earth’s crust can be used to help remind us how each class of rock forms, and how Rocks can be transformed from one type to another.

Rock cycle is a process that shows how rocks slowly continuously change through time and Remaking of rocks.

Rock cycle is a continuous process with no definite beginning or end, and that all rock types can be changed into all other rock types over time.