

Rock Cycle Around the Room

Directions: You will travel through the rock cycle and record your journey. At each station is a die. Roll the die to determine if and where you will move to next, record where it is sending you. Travel to that stations and roll the die again. Continue until you have filled in the chart below. *It is possible to roll to stay in the same place. Please only remain in the same spot for 3 consecutive turns. After that, choose the other option and continue your journey.*

Stations Visited	
1.	2.
3.	4.
5.	6.
7.	8.
9.	10.
11.	12.
13.	14.
15.	16.
17.	18.
19.	20.

~~Cross out~~ the stations you visited during your travels and circle the stations you didn't visit during your travels.

Compaction and Cementation	High Pressure and Temperature	Sediments	Cooling and Hardening	Weathering and Erosion	Metamorphic Rock
Melting	Sedimentary Rock	Igneous Rock	Magma	To the surface	

- 1) You travelled through parts of the rock cycle in seconds and spent a minute at some stages. Why is this completely unrealistic?
- 2) Look at the list of stations you didn't visit during your travels. Do you think it is possible that rocks out there have missed that many "stations" in the real rock cycle? Why/Why not?

Directions: In the space below, draw arrows to represent *your* travels through the Rock Cycle. The following terms may have to be added:

*High Pressure and
Temperature*

Melting

*Compaction and
Cementation*

*Weathering
and Erosion*

*Cooling and
Hardening*

Igneous Rock

Magma

Sediments

Metamorphic
Rock

Sedimentary
Rock

Surface

