Rock Cycle Game

Background – Students must be familiar with the rock cycle.

Instructions:

- Set up five stations around the room (or outside)
- Label stations: magma station, sediment station, igneous rock station, metamorphic rock station, and sedimentary rock station.
- There are 5 dice that correspond to each station. Place one die at each station. Matching the correct die with the correct station: Find the phrase on each die that reads “Remain as ______.” For example, if the phrase reads: “Remain as Igneous Rock”, the die belongs with the igneous station. Etc..
- Provide each student with a rock cycle log. Instruct that they are to keep track of each station they visit on the log.
- To begin the game, have the students each pick the station they wish to start from. (It helps to spread them out so they are not all at one station)
- Each student takes a turn rolling the dice.
- The student then reads the instructions, and follows the directions. For example, if a student begins at the igneous station, rolls the die and is instructed to “melt into magma” then this student will leave the igneous station and move to the magma station and roll the dice at that station.
- The game ends when all the students have rolled 10 times.
Igneous Station
Rock Cycle Game

Melt into Magma

Remain as Igneous Rock

Weather into Sediment

Remain as Igneous Rock

Change into Metamorphic Rock

Remain as Igneous Rock
Magma Station
Rock Cycle Game

Remain as Magma

Remain as Magma

Remain as Magma

Cool into Igneous Rock

Cool into Igneous Rock
Melt into Magma

Remain as Metamorphic Rock

Weather into Sediment

Remain as Metamorphic Rock

Weather into Sediment

Melt into Magma
Sediment Station
Rock Cycle Game

Lithify into Sedimentary Rock

Remain as Sediment

Remain as Sediment

Remain as Sediment

Remain as Sediment
Melt into Magma

Change into Metamorphic Rock

Weather into Sediment

Remain as Sedimentary Rock

Remain as Sedimentary Rock

Weather into Sediment