

## Rock Cycle Game

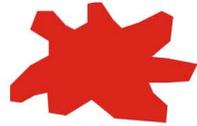
**Background – Students must be familiar with the rock cycle.**

### **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.

**i** Igneous Station  
Rock Cycle Game

**Melt into  
Magma**



**Remain as  
Igneous Rock**



**Weather into  
Sediment**



**Remain as  
Igneous Rock**



**Change into  
Metamorphic  
Rock**

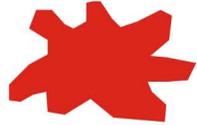


**Remain as  
Igneous Rock**



Mag

Remain as  
Magma



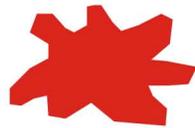
Mag

# Magma Station Rock Cycle Game

Remain as  
Magma



Remain as  
Magma



Remain as  
Magma



Cool into  
Igneous  
Rock



Cool into  
Igneous  
Rock



meta

**Melt into  
Magma**



meta

**Metamorphic Rock Station  
Rock Cycle Game**

**Remain as  
Metamorphic  
Rock**



**Weather into  
Sediment**



**Remain as  
Metamorphic  
Rock**



**Weather into  
Sediment**



**Melt into  
Magma**



(sed)

**Lithify  
into  
Sedimentary  
Rock**

(sed)

**Sediment Station  
Rock Cycle Game**

**Remain as  
Sediment**



**Remain as  
Sediment**



**Remain as  
Sediment**



**Lithify  
into  
Sedimentary  
Rock**

**Remain as  
Sediment**



sed  
rock

**Melt into  
Magma**



sed  
rock

# Sedimentary Rock Station Rock Cycle Game

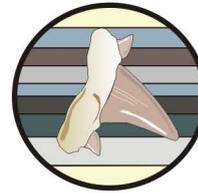
**Change into  
Metamorphic  
Rock**



**Weather into  
Sediment**



**Remain as  
Sedimentary  
Rock**



**Remain as  
Sedimentary  
Rock**



**Weather into  
Sediment**

