

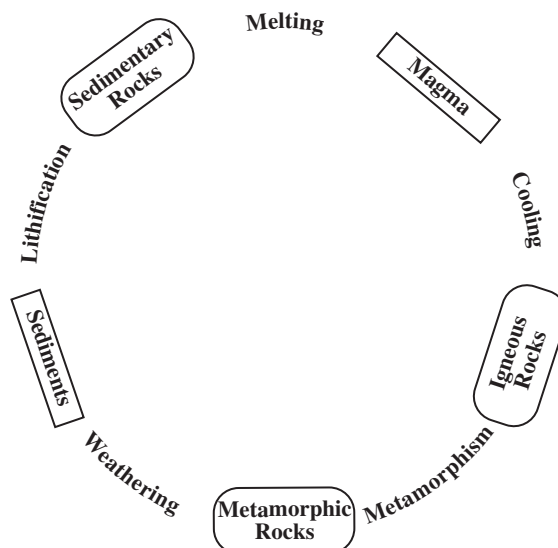
Rock Cycle Adventure Worksheet

Data Table

Roll of Dice	Station	Event
Start		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

Plotting the Data

- Look at the Rock Cycle diagram below. Find your starting station and write an S next to that stage in the cycle. Circle the S.



2. Write the number 1 next to the station you went to after the first roll of the die. If directed to stay at the same station, write the number 1 next to the letter S on the Rock Cycle diagram.
3. If directed by the first roll to a different station, draw an arrow from the starting station to the stage of the cycle with the number 1.
4. Continue marking the diagram in the same manner until the numbers 1–20 have been recorded at the respective stages of the cycle according to the data table with arrows indicating each move.

Post-Activity Questions and Analysis

1. Did you move completely through the rock cycle, visiting each station in order? If not, how did your path vary?
2. At which stage of the rock cycle did you spend the most time?
3. Compare your Rock Cycle diagram with a classmate's. Describe several ways they are different.
4. What geologic processes lead to the formation of sedimentary rock? Igneous rock? Metamorphic?
5. What processes are included with metamorphism?
6. Why is the process of rock formation described as a cycle?