

Name \_\_\_\_\_

Date \_\_\_\_\_

## Edible Rocks

I. Purpose: To understand the structures and properties of the rock cycle.

II. Materials:

- Hot plate
- Pyrex glass beaker
- Starburst candy (three different colors)



III. Procedures:

### *Sedimentary Rocks*

- Unwrap three starburst candies. Make sure that they are three different colors.
- Stack the three pieces of candy on top of each other.
- Record observations and make an illustration.

Observations	Illustration

### *Metamorphic Rocks:*

- Press the sedimentary rock between the palms of your hands for a minimum of 3 minutes.
- Flatten it as much as possible without twisting your hands together.
- Make observations after three minutes of this pressure and illustrate.

Observations	Illustration

***Igneous Rocks:***

- Place the metamorphic rock in a beaker and on a hot plate.
- Heat the rock until it is completely melted like magma.
- Remove the beaker from the heat and allow the rock to cool and harden.
- Make observations and illustrate.

Observations	Illustration

**IV. Conclusion:**

1. What is the rock cycle?
  
  
  
  
  
  
  
  
  
  
2. Is this lab a reasonable model of the rock cycle?
  
  
  
  
  
  
  
  
  
  
3. What are the limitations of this model?

**V. Connections:**

Brainstorm a new comparison for the rock cycle by completing the following sentence:

The rock cycle is like a \_\_\_\_\_

Explain your thinking. How is the earth like your object? What are the limitations of your model?