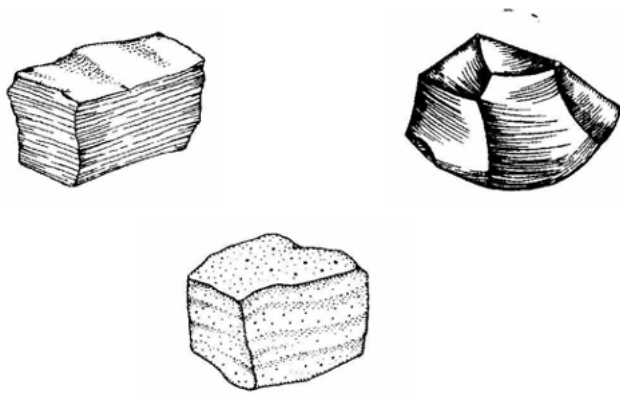


Modeling the Rock Cycle

Engage



Look at the pictures of the rocks above.

What do you notice?

What do you wonder?

Explore

Materials: hot plate, scissors, 4 different colors of Starburst candy, plastic bag, aluminum foil, hot plate, heavy books

Part 1

What To Do:

1. Cut the Starburst candies into strips and then small pieces and place them on top of the plastic bag.
2. Make some observations in the space below.

Draw and color what you see from the top.

Draw and color what you see from the side.

Part 2

1. Mix all your candies together and compact them together by squeezing with your hand.
2. Make some observations below.

Draw and color what you see from the top.

Draw and color what you see from the side.

Part 3

1. Place the candy from Part 2 into the plastic bag and apply some heat and pressure with your hands.
2. When it is soft and pliable, place some books on top of the candy in the plastic bag and apply some pressure for about a minute.
3. Take the candy out of the bag and fold it and replace in the bag.
4. Apply more pressure with the books.
5. Make some observations on the next page.

Draw and color what you see from the top.

Draw and color what you see from the side.

Part 4

Safety Concern: The hot plate will cause burns. Use it carefully.

1. Make a small boat of aluminum foil and place the candy from Part 4 inside the boat.
2. Place the aluminum foil boat on the hot plate and allow the candy to melt and bubble.
3. Take it off the hot plate and allow it to cool.

Draw and color what you see from the top.

Draw and color what you see from the side.

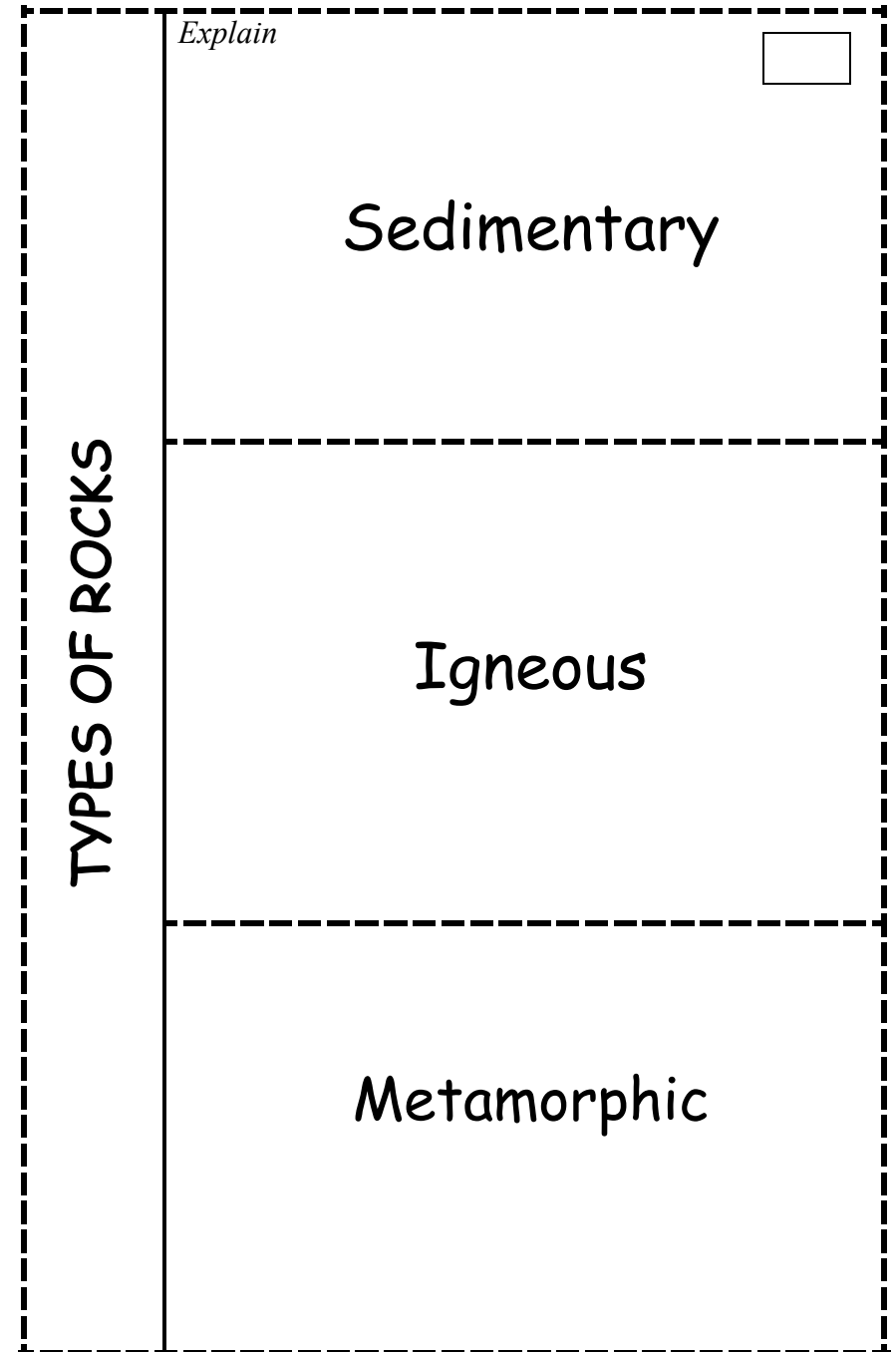
Questions:

1. What did you do to the candy in Part 1? _____

2. What did you do to the candy in Part 2? _____

3. What did you do to the candy in Part 3? _____

4. What did you do to the candy in Part 4? _____

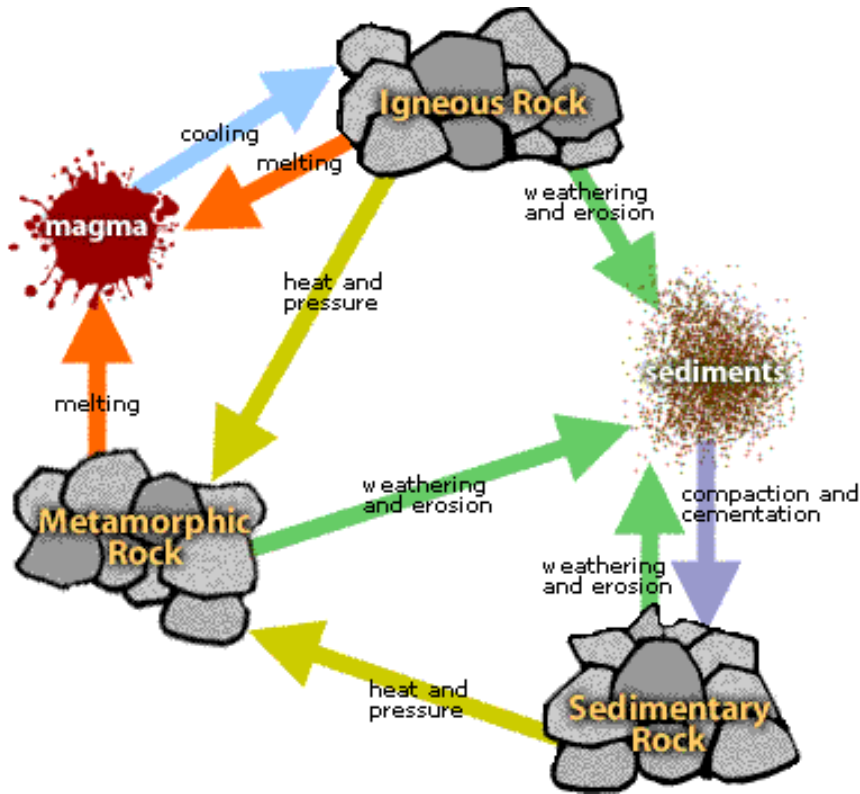




Elaborate

What To Do:

1. Observe the diagram of the Rock Cycle below.
2. Answer the questions.



Questions:

1. Why do you think some steps have arrows going in both directions?

2. What processes happen to all of the rocks in the diagram?

3. When heat and pressure are placed on sedimentary rock what does it turn in to? _____
4. When heat and pressure are placed on igneous rock what does it turn in to? _____

Evaluate

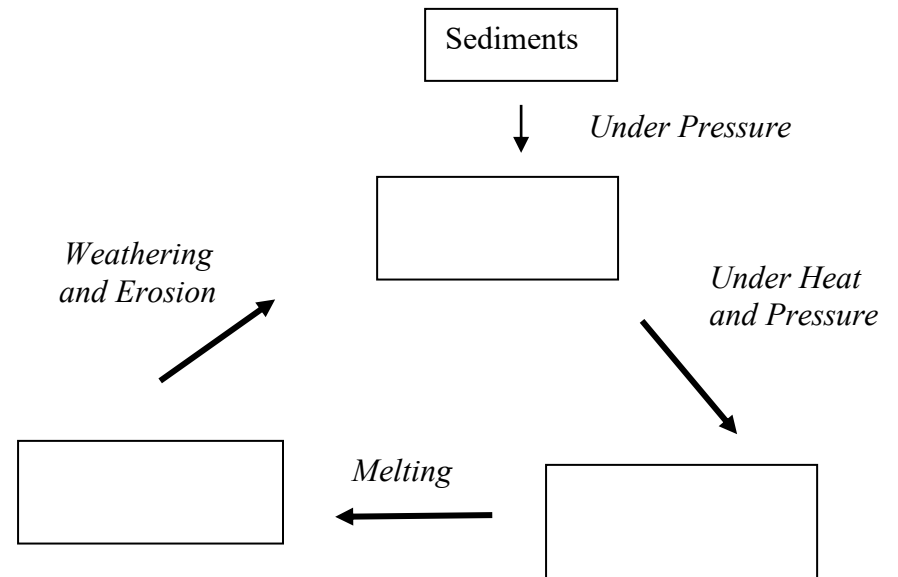
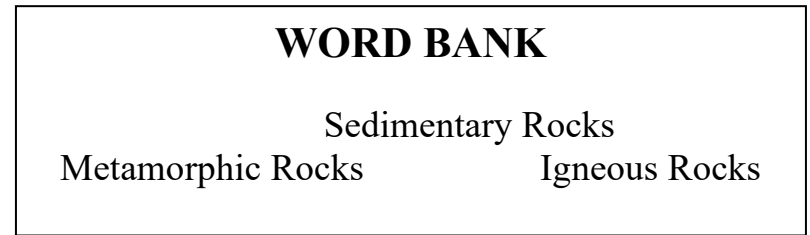
Name _____ period _____



EXIT TICKET

The Rock Cycle

From what you did in this activity fill in the following flow chart. Use the words from the word bank



4. The diagram above is called
A. The Rocks and Minerals Cycle
B. The Mineral Cycle
C. The Rock Cycle