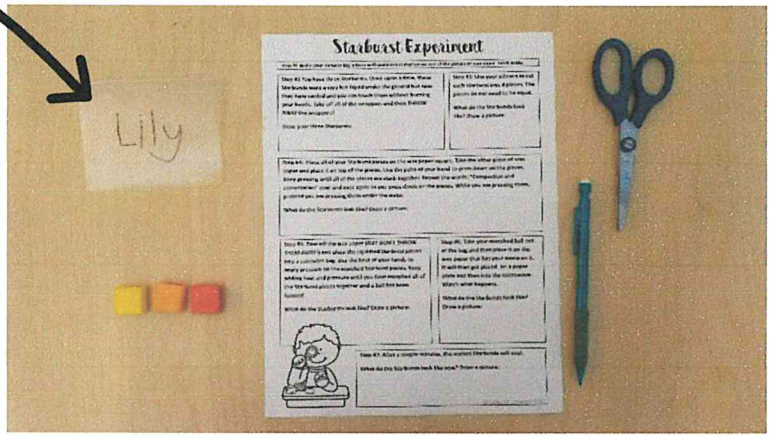
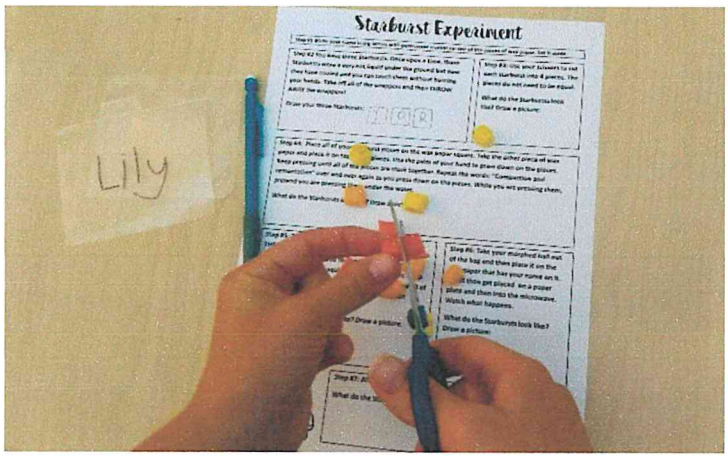
Starburst Experiment

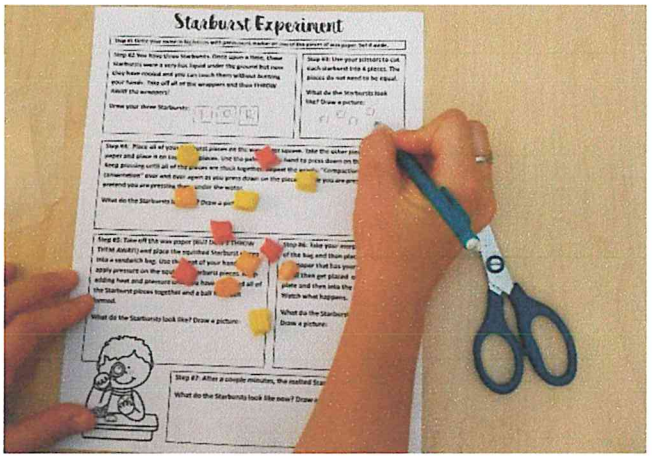
Step #1 Write your name in big letters with permanent marker on one of the pieces of wax paper. Set it aside.

Step #2 You have three Starbursts. Take off all of the wrappers and then THROW AWAY the wrappers!



Step #3: Use your scissors to cut each starburst into 4 pieces. The pieces do not need to be equal.

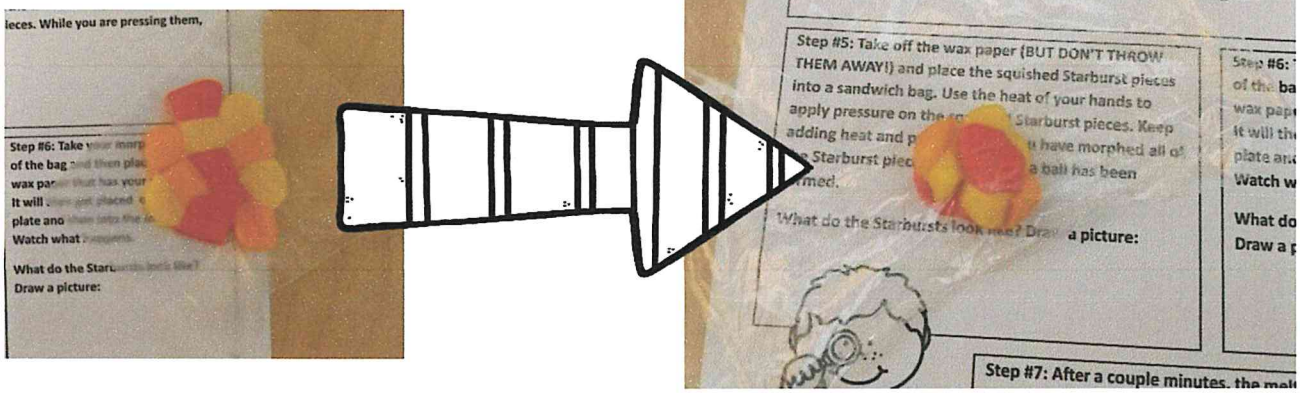




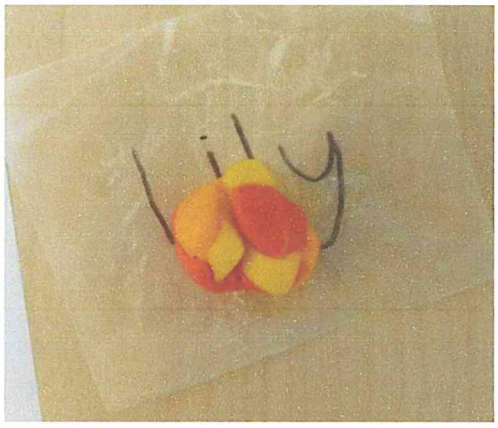
Step #4: Place all of your Starburst pieces on the wax paper square. Take the other piece of wax paper and place it on top of the pieces. Use the palm of your hand to press down on the pieces. Keep pressing until all of the pieces are stuck together. Repeat the words: "Compaction and cementation" over and over again as you press down on the pieces. While you are pressing them, pretend you are pressing them under the water.

Starburst Experiment

Step #5: Take off the wax paper (BUT DON'T THROW THEM AWAY!) and place the squished Starburst pieces into a sandwich bag. Use the heat of your hands to apply pressure on the squished Starburst pieces. Keep adding heat and pressure until you have morphed all of the Starburst pieces together and a ball has been formed.



Step #6: Take your morphed ball out of the bag and then place it on the wax paper that has your name on it. It will then get placed on a paper plate and then into the microwave. Watch what happens.



Step #7: After a couple minutes, the melted Starbursts will cool.

Starburst Experiment

Name:_____

Step #1 Write your name in big letters with permanent marker on one of the pieces of wax paper. Set it aside.

Step #2 You have three Starbursts. Once upon a time, these Starbursts were a very hot liquid under the ground but now they have cooled and you can touch them without burning your hands. Take off all of the wrappers and then THROW AWAY the wrappers!

Draw your three Starbursts:

Step #3: Use your scissors to cut each starburst into 4 pieces. The pieces do not need to be equal.

What do the Starbursts look like? Draw a picture:

Step #4: Place all of your Starburst pieces on the wax paper square. Take the other piece of wax paper and place it on top of the pieces. Use the palm of your hand to press down on the pieces. Keep pressing until all of the pieces are stuck together. Repeat the words: "Compaction and cementation," over and over again as you press down on the pieces. While you are pressing them, pretend you are pressing them under the water.

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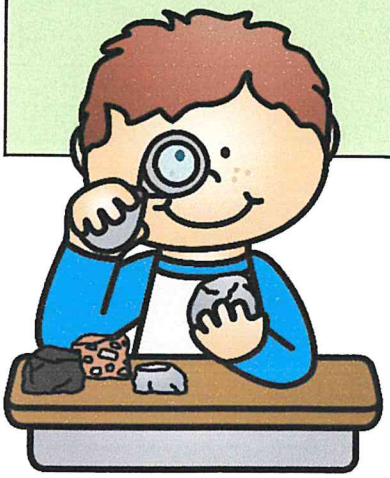
What do the Starbursts look like? Draw a picture:

Step #6: Take your morphed ball out of the bag and then place it on the wax paper that has your name on it. It will then get placed on a paper plate and then into the microwave. Watch what happens.

What do the Starbursts look like? Draw a picture:



Step #7: After a couple minutes, the melted Starbursts will cool.

What do the Starbursts look like now? Draw a picture:

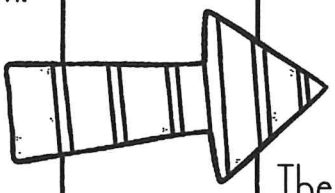
Name:_____

Starburst Rock Cycle

Directions: Fill in the rock cycle by drawing a picture of your starbursts in each box, filling in each blank, and **labeling each arrow**.

Draw a picture of your starbursts after melting them.

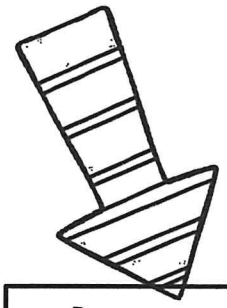
This is called _____



Draw your Starbursts the way they looked at the very beginning:

These are called _____ rocks.

(Hint: Once upon a time these rocks were a very hot liquid under the earth but have cooled since then.)

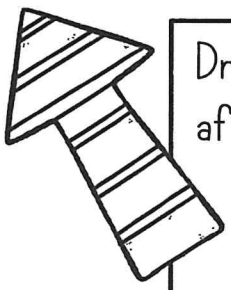


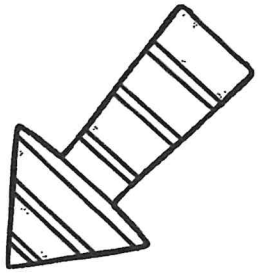
Draw what your starbursts looked like after you added heat and pressure to them.

This is a _____ rock.

Draw a picture of your Starbursts after weathering them into smaller pieces.

These pieces are called _____





Draw what your starbursts looked like after you compacted and cemented all of the sediments together.

This is a _____ rock.

Name: key

Starburst Rock Cycle

Directions: Fill in the rock cycle by drawing a picture of your starbursts in each box, filling in each blank, and **labeling each arrow**.

Draw a picture of your starbursts after melting them.

This is called magma

cooling

Draw your Starbursts the way they looked at the very beginning:

☐ ☐ ☐

These are called igneous rocks.

(Hint: Once upon a time these rocks were a very hot liquid under the earth but have cooled since then.)

melting

weathering and erosion

The ROCK cycle

Draw what your starbursts looked like after you added heat and pressure to them.

This is a metamorphic rock.

Draw a picture of your Starbursts after weathering them into smaller pieces.

These pieces are called sediments

Draw what your starbursts looked like after you compacted and cemented all of the sediments together.

This is a sedimentary rock.

compaction and cementation