

# STARBURST ROCK CYCLE LAB

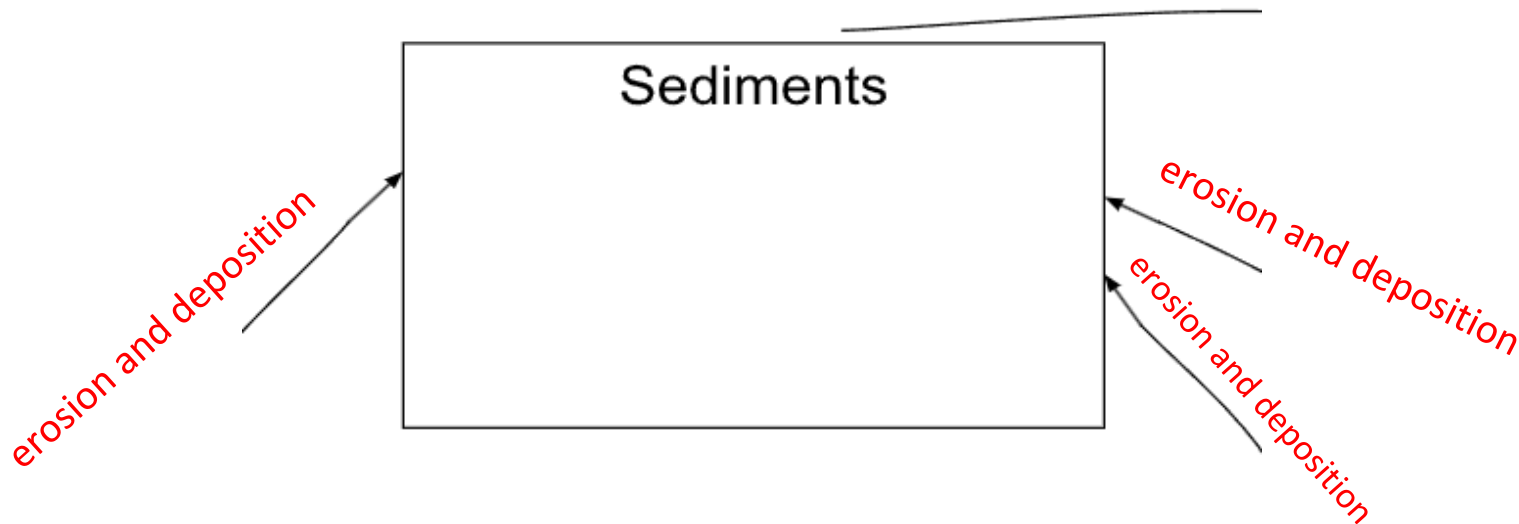


# Step 1: Create SEDIMENT

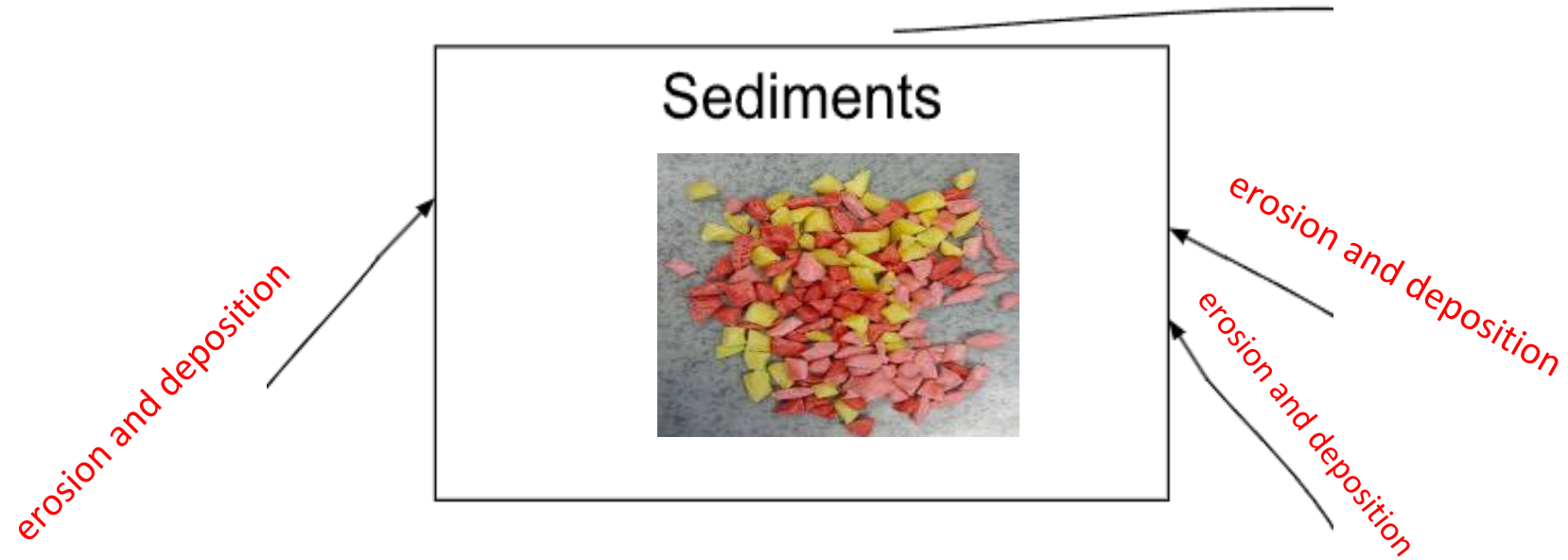
Take your three different colored Starburst and cut them into as many small pieces as you can.

This represents weathering, erosion and deposition!

Please label all three arrows pointing to the “SEDIMENTS” box with the words **“Erosion and deposition”** (we can skip weathering to save space)



Sketch what you have created in the  
**SEDIMENTS BOX** before moving on.



## Step 2: SEDIMENTARY ROCK

Pick up the "sediments" and gently push them together so they all form into one big piece.

This is how sedimentary rock forms from **COMPACTION AND CEMENTATION!**

Label the arrow pointing at the sedimentary rock box with these words.



Now, draw what you created in the  
“sedimentary rock” box on the diagram

\*\* Did you  
remember to  
label your  
arrow?



## Step 3: METAMORPHIC ROCK

Now take your "sedimentary rock" and put it in your Ziploc bag. Warm it in your hands for a while. Place a heavy book on top of the warm "sedimentary rock" and press down on it.

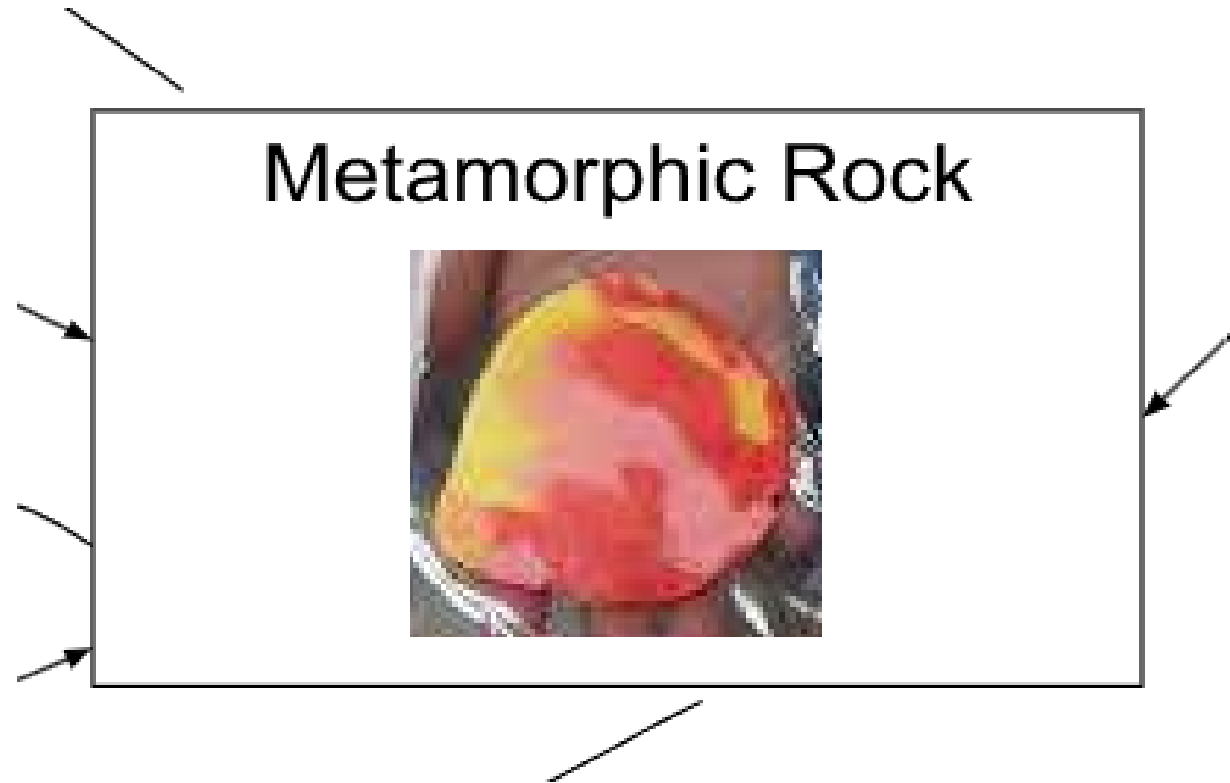
This is simulating **HEAT AND PRESSURE**, which form metamorphic rocks.

Label all THREE arrows pointing at the "Metamorphic Rock" box with these words.



Now, draw what you created in the  
“Metamorphic Rock” box on the diagram

\*\* Did you  
remember to  
label your  
arrows?





## Step 4: MAGMA!!

Place your "metamorphic rock" on the piece of aluminum foil. Place the foil on the hot plate. BE CAREFUL! Observe the "metamorphic rock" as it melts.

This is **MELTING**, which creates magma from rocks.

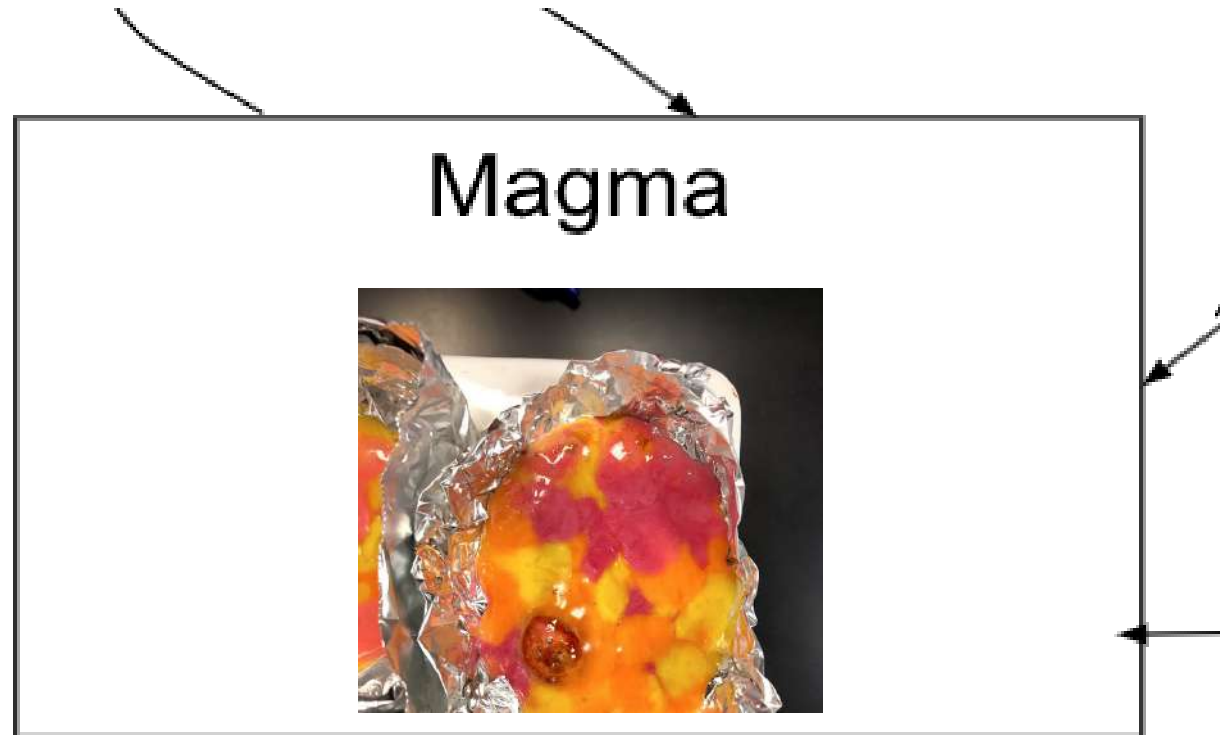
Label all three arrows pointing at the "Magma" box with this term.





Now, draw what you created in the “Magma” box on the diagram

\*\* Did you remember to label your arrows?



## Step 5: IGNEOUS ROCK

Take your foil off the hot plate with tongs, being careful not to spill the "magma". Set it on the table and observe it as it cools and hardens. We can put it in the freezer to speed this up.

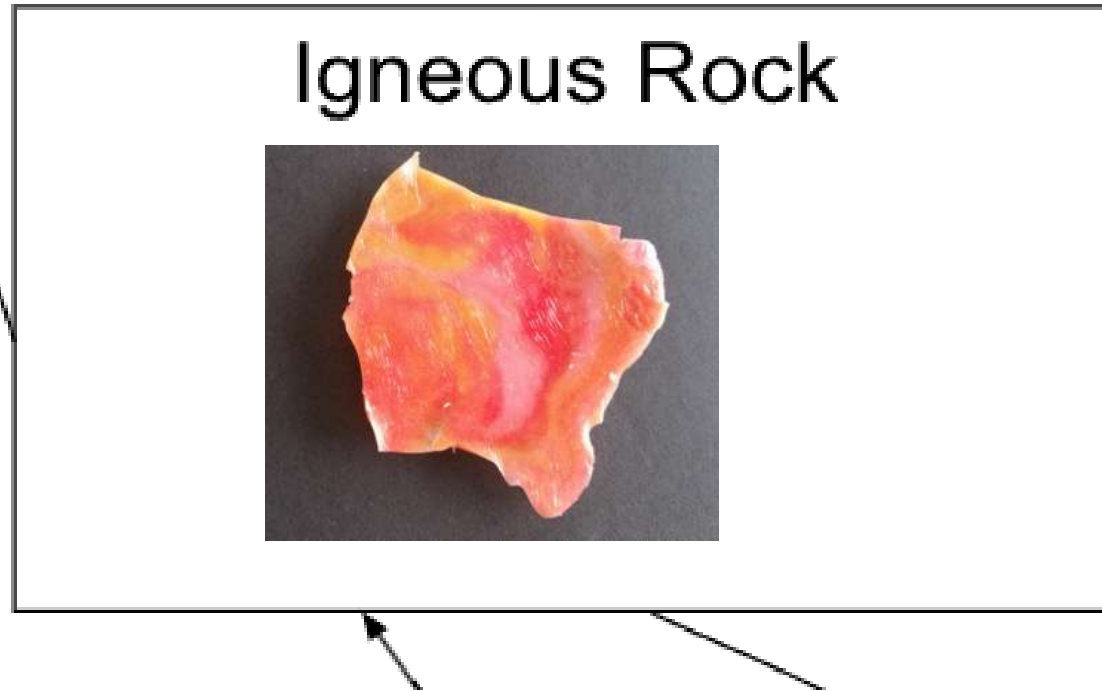
**COOLING AND HARDENING** of magma or lava creates igneous rocks!

Label the arrow pointing at the igneous rock box with these words.



Now, draw what you created in the “Igneous Rock” box on the diagram

\*\* Did you remember to label your arrow?



# DID YOU LABEL ALL THE ARROWS?

Double check that your whole diagram has colored pictures and labeled arrows. Then, flip your paper and use the diagram to answer some very simple questions.

Thank you!