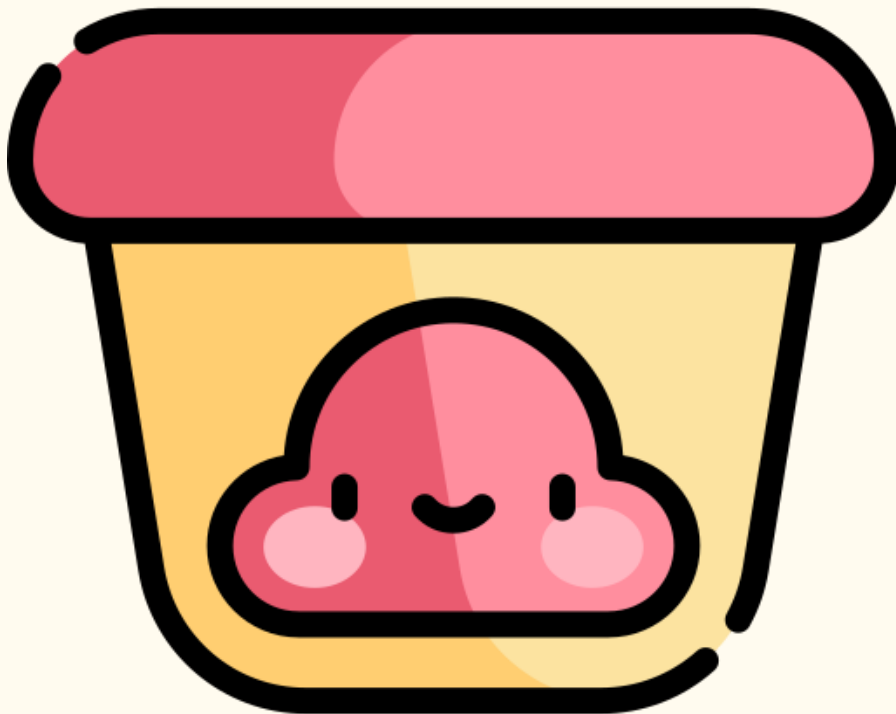




# BümoBrain Live Classes



## Sticky STEM

STEM Concepts Through Playdoh

Please print this out to use in class.



# Winter Session 1 Sticky STEM Materials List

Please have these materials ready for hands-on activities in class.

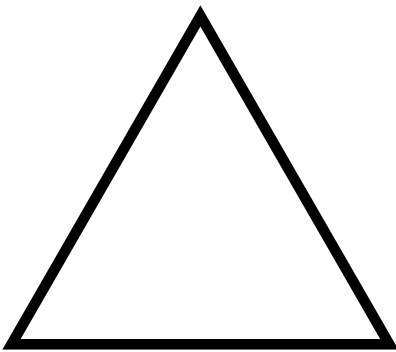
- Play-dough (at least three different colors)
- Popsicle sticks
- Building blocks or Legos
- Roller
- Napkins/paper towels/towels (to dry the play-dough)
- Foil
- Bottle cap (or anything to cut out circle shapes with for the play-dough)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

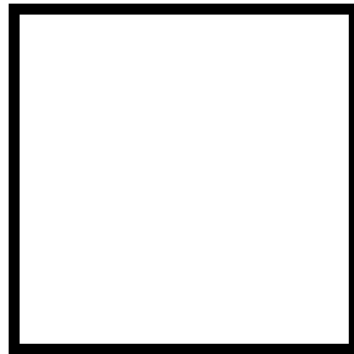
## Sticky STEM Week 1

Directions: Use popsicle sticks and play-dough to make these shapes and figures. Write how many sides or edges and vertices there are for each shape or figure.



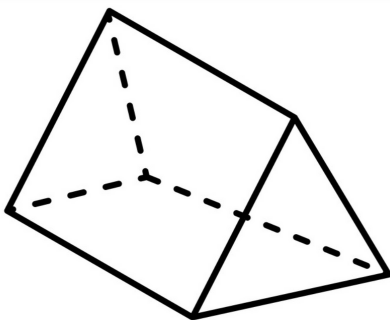
Sides: \_\_\_\_\_

Vertices: \_\_\_\_\_



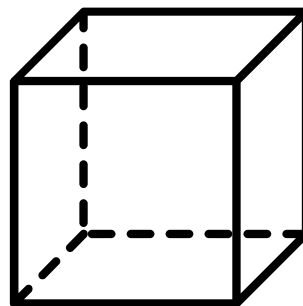
Sides: \_\_\_\_\_

Vertices: \_\_\_\_\_



Edges: \_\_\_\_\_

Vertices: \_\_\_\_\_



Edges: \_\_\_\_\_

Vertices: \_\_\_\_\_

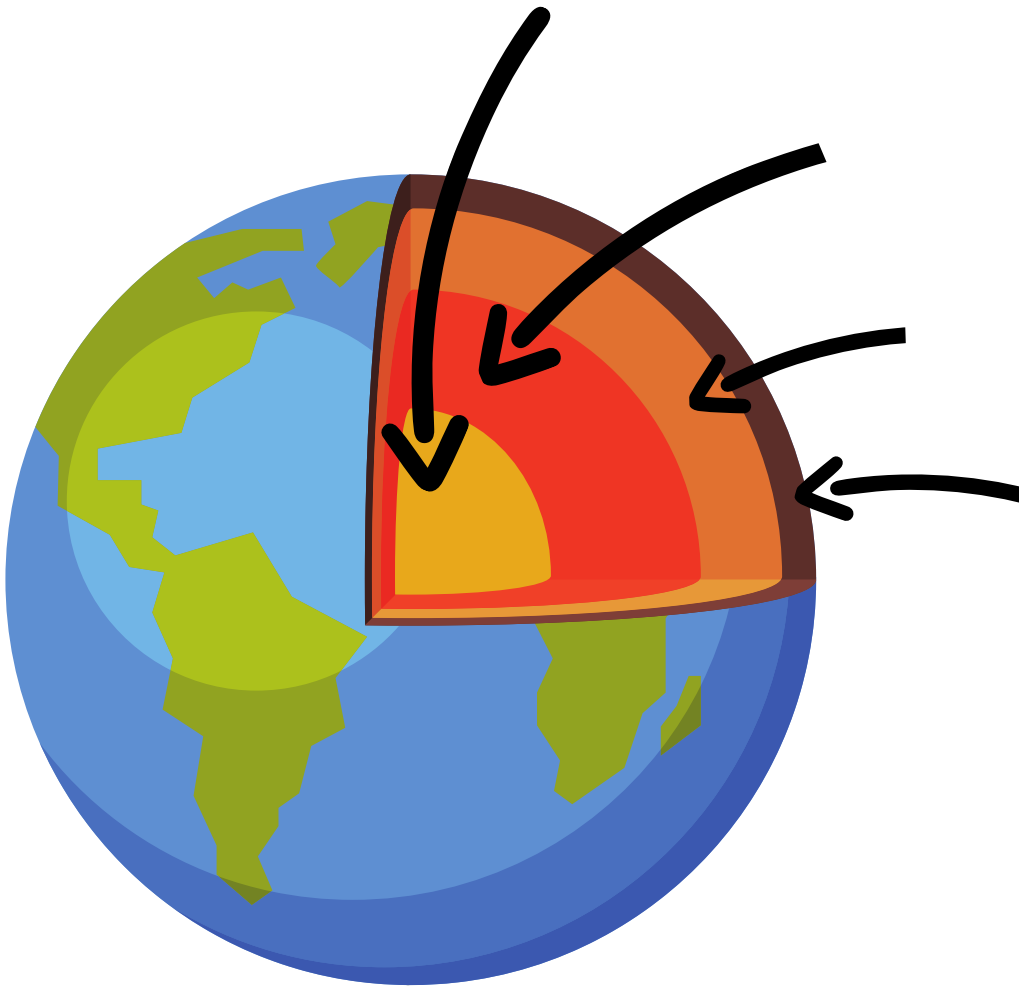


Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Sticky STEM Week 2

Directions: Cut out the name of the Earth layers on the bottom and paste them next to the arrow of the corresponding layer in the diagram.



Inner Core

Mantle

Outer Core

Crust

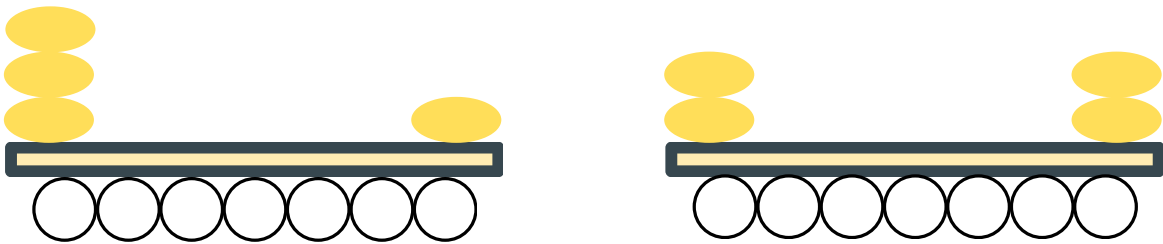
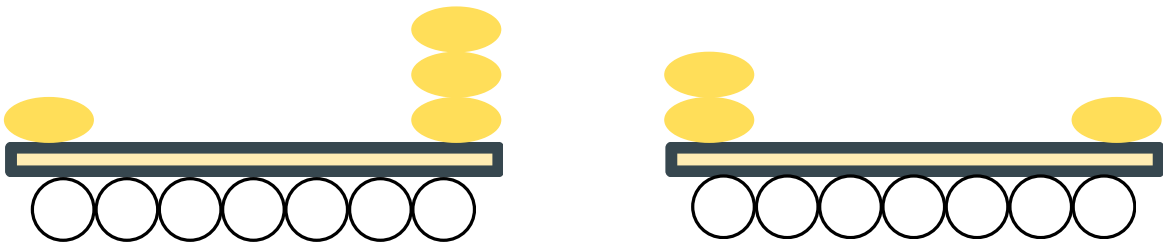
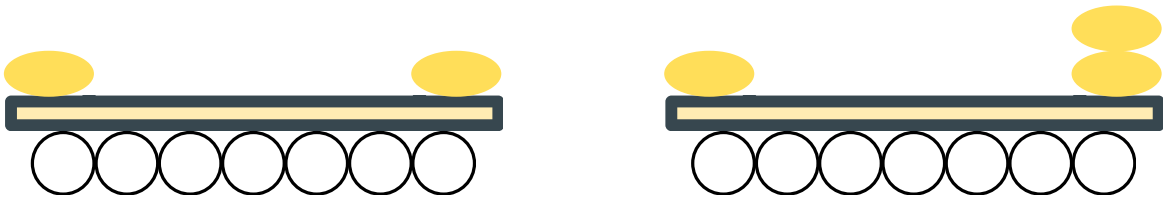


Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Sticky STEM Week 3

Directions: Color the circle where you saw the bottle cap under the stick when the structure was balanced.

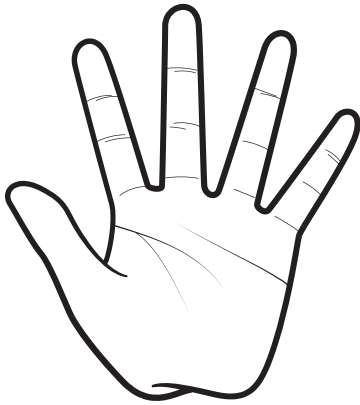


Name: \_\_\_\_\_

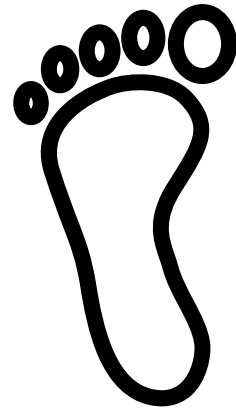
Date: \_\_\_\_\_

## Sticky STEM Week 4

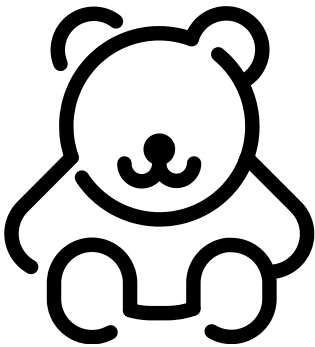
Directions: Measure the length of different objects using the play-dough coins made during the class and circle the object that is longer.



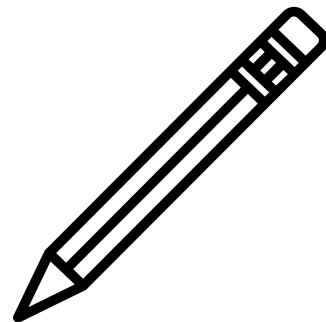
Number  
of coins \_\_\_\_\_



Number  
of coins \_\_\_\_\_



Number  
of coins \_\_\_\_\_



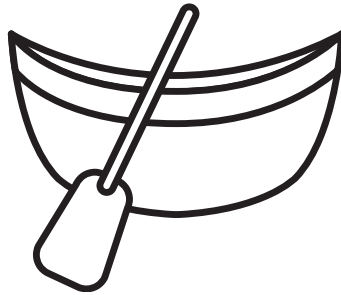
Number  
of coins \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Sticky STEM Week 5

Directions: Make a boat out of foil and answer the first question. Make play-dough coins, put them in your boat until your boat sinks, then answer the second question.



### Hypothesis

I think my boat can hold \_\_  
play-dough coins.

### Observation

My boat held \_\_ play-dough  
coins.



# **BümoBrain Live Classes**



**Join us for Winter Session 2  
January 11th – February 12th**

**Sign up on [www.bumobrain.com](http://www.bumobrain.com)**