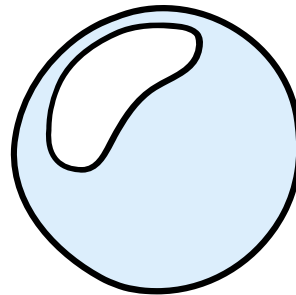


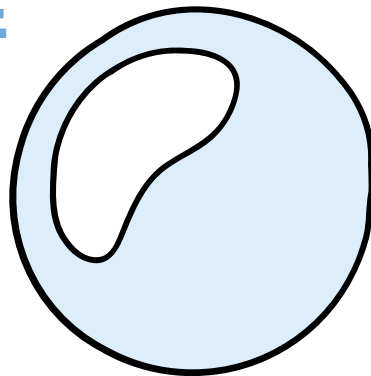
STEM BUBBLE CHALLENGE

..... JOURNAL

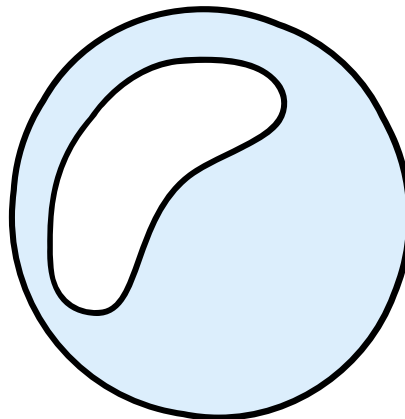


MIX

USE



REFLECT



Name: _____

STEM CHALLENGE

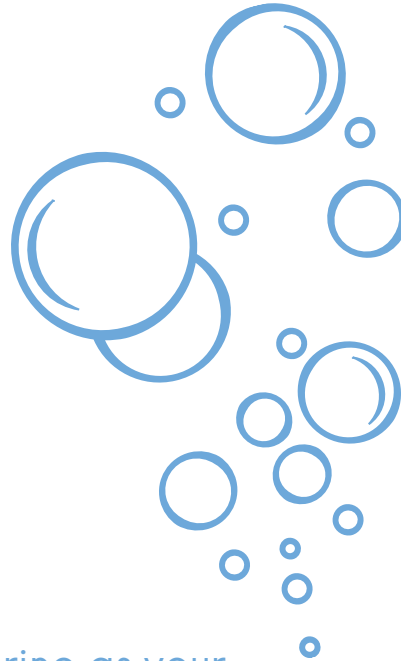
..... TASK

Goal:

Your challenge is to create a sticky and long lasting bubble.

Materials:

Two dishes to hold bubble mix
Dawn dishwashing liquid
Warm water
Sugar or glycerine
Large spoons for gentle stirring.
Bubble wands of your chlice



Process:

Decide if you are using sugar or glycerine as your variable.

Label containers 1 and 2.

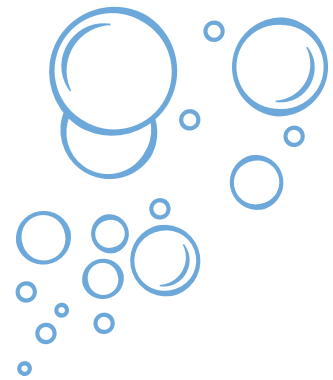
In container one, mix 1 cup of Dawn dishwashing liquid and six cups of warm water.

In container two, mix one cup Dawn dishwashing liquid, six cups warm water, and your choice of variable.

Allow to rest for at least one hour.

Using the same wand for both tubs, make three bubbles with tub one and three with tub two.

Record the result each time you create a bubble.



STEM CHALLENGE

.... THE EXPERIMENT

Materials:

_____	_____
_____	_____
_____	_____

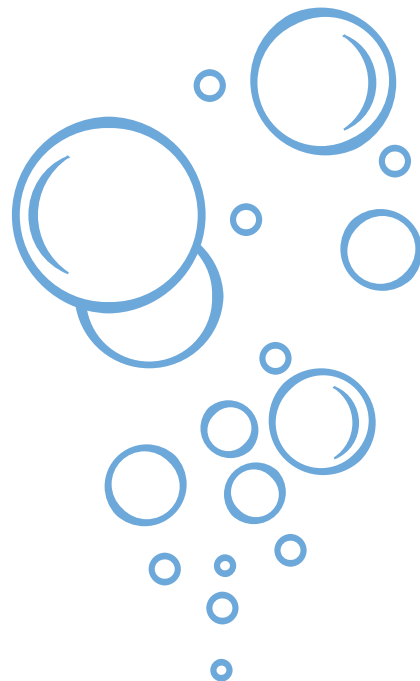
Steps:

1

2

3

4



STEM CHALLENGE

DESCRIBE OR DRAW THE RESULTS

1

2

3

STEM CHALLENGE

..... REFLECT

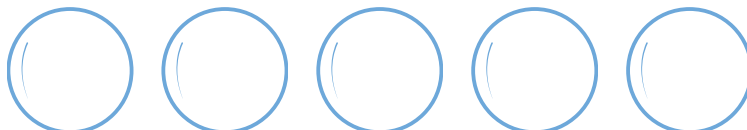
Did your plan ever change during the process?

(different measurements, different wands, indoor/outdoor)

Why did you make these changes?

What was difficult? What would you change?

Rate the experiment - score yourself out of 5:



CONGRATULATIONS

Name: _____



You have earned the title:
Monkey Buddies Bubble Master!

CONGRATULATIONS

Name: _____



You have earned the title:
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