

Pumpkin Experiments

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If you have any questions, please email me at angela@teachingmama.org

The clip art is from the following:



Name: _____

Growing Pumpkin

Materials: orange balloon, black Sharpie, vinegar, baking soda, bottle, funnel

1. Draw a jack-o-lantern face on the balloon.
2. Place a funnel on the balloon.
3. Pour 2 tablespoons of baking soda into the balloon.
4. Pour $\frac{1}{2}$ cup of vinegar into the bottle.
5. Carefully place the balloon over the bottle's lip without spilling the baking soda.
6. Lift the balloon to let the baking soda drop into the bottle.
7. Watch as the balloon grows!



Draw your observations.

Name: _____

Dissolving Pumpkins

Materials: candy pumpkins, glasses, water, oil, vinegar

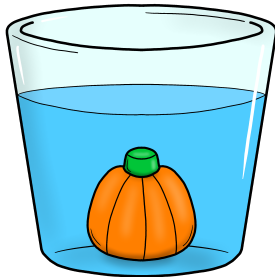
Directions: Fill glasses with the same amount of liquid: water, cooking oil, and vinegar. Place a candy pumpkin in each glass. .

PREDICTIONS

Which liquid will make the candy pumpkin dissolve the fastest?

Which liquid will make the candy pumpkin dissolve the slowest?

OBSERVATIONS



water

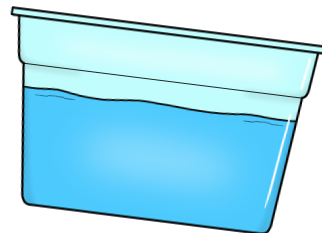
oil

vinegar

Name: _____



Sink or Float



Materials: pumpkin, bowl with water

1. Fill a bowl with water.
2. Predict if a pumpkin will sink or float.
3. Place the pumpkin in the water and draw what you observe.

Do you predict the pumpkin will sink or float?

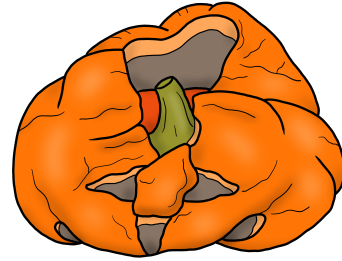
Draw or write your observations.

Name: _____

Pumpkin Jack

Materials: pumpkin, bowl with water

1. Carve a pumpkin to look like a jack-o-lantern.
2. Place the pumpkin on display inside of a glass container.
3. Draw your observations daily.



Date: _____

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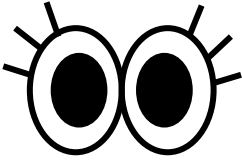
Date: _____

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Name: _____

Exploring Pumpkins


Directions: Use your 5 senses to explore a pumpkin.
Write down your observations.



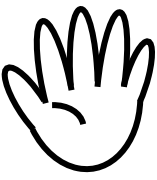
sight



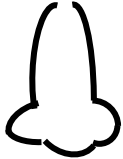
sound



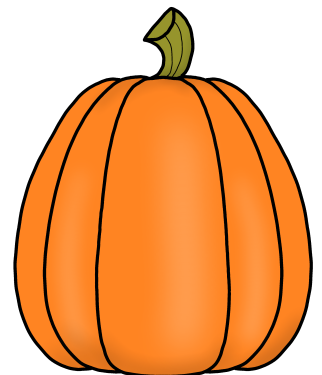
taste



touch



smell



Name: _____

Exploding Pumpkin

Materials: pumpkin, rubber bands, safety glasses

1. Place a pumpkin on a table outside.
2. Put on your safety glasses.
3. Place rubber bands around the pumpkin.
4. Keep putting on rubber bands until the pumpkin breaks in two!

How many rubber bands do you predict it will take?

How many rubber bands did it take?

Draw or write your observations.



Name: _____

Pumpkin Volcano

Materials: pumpkin, baking soda, vinegar, dish soap

1. Cut off the top of the pumpkin and scoop out the seeds and pulp. Cut out a face.
2. Pour about $\frac{1}{2}$ cup of baking soda into the pumpkin.
3. Add in a squirt of dish soap on top of the baking soda.
4. Pour the vinegar into the pumpkin and observe the fizzy reaction!



Draw or write your observations.

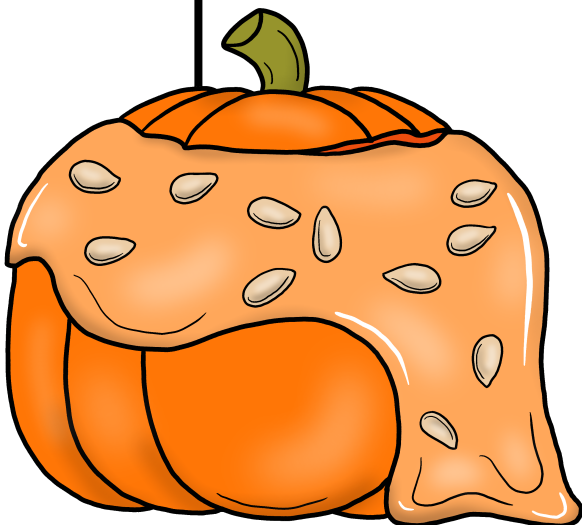
Name: _____

Pumpkin Slime

Materials: baking pumpkin, water, clear glue, liquid starch, spoon, knife, bowl

1. Cut off the top of a pumpkin.
2. Scoop out most of the seeds and guts.
3. Pour $\frac{1}{2}$ cup water and $\frac{1}{2}$ cup clear glue in a bowl and mix them together.
4. Pour $\frac{1}{4}$ cup of liquid starch into the pumpkin.
5. Add the glue/water mixture into the pumpkin and stir together.
6. Mix the slime with your hands.
7. Have fun playing with the slime!

Draw or write your observations.



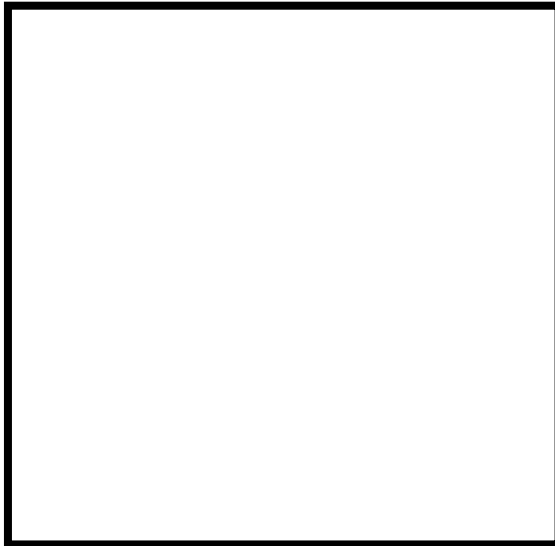
Name: _____

Measuring Pumpkins

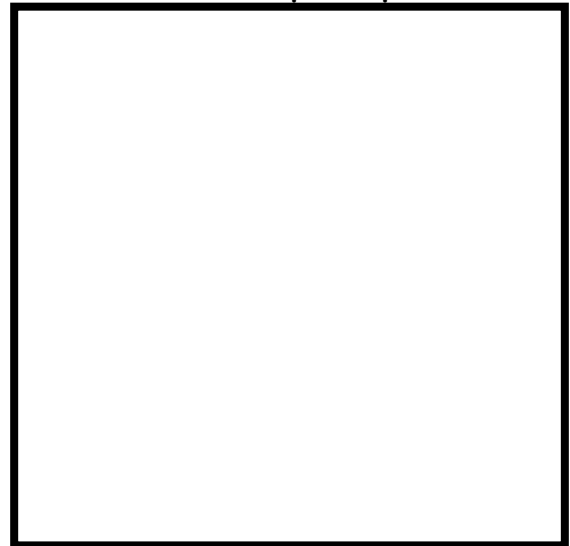
Materials: 3 sizes of pumpkins, measuring tape

1. Wrap the measuring tape around the pumpkins.
2. Record the circumference below.

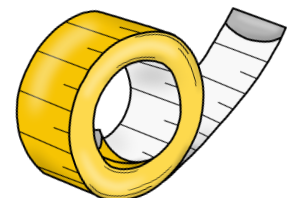
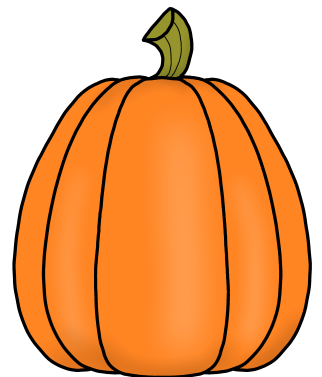
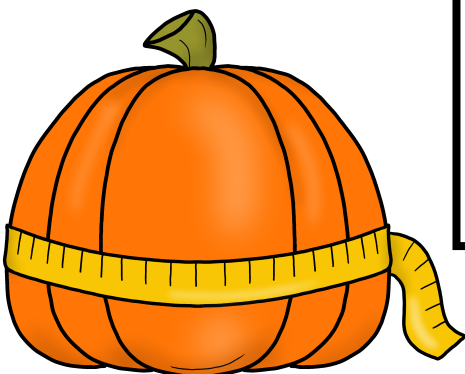
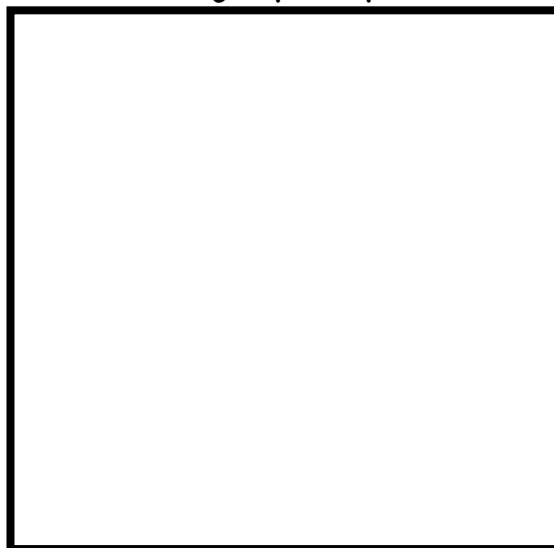
Small pumpkin



Medium pumpkin



Large pumpkin



Name: _____

Pumpkin Plants

Materials: pumpkin, knife, soil

1. Cut open a pumpkin and carve it.
2. Rinse a pumpkin seed from pulp and dry it.
3. Place dirt inside of the pumpkin.
4. Add the seed and cover it with dirt.
5. Water the seed and draw your observations for a couple weeks.



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Growing Pumpkin

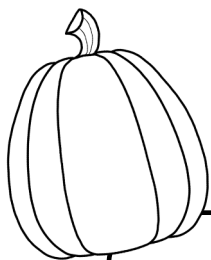
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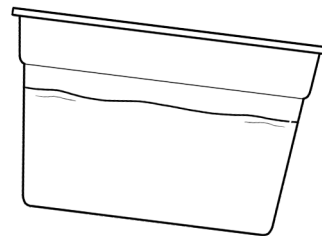


Draw your observations.

Name: _____



Sink or Float



Materials: pumpkin, bowl with water

1. Fill a bowl with water.
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Do you predict the pumpkin will sink or float?

Draw or write your observations.

Name: _____

Dissolving Pumpkins

Materials: candy pumpkins, glasses, water, oil, vinegar

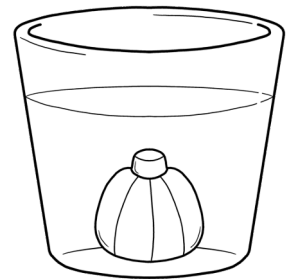
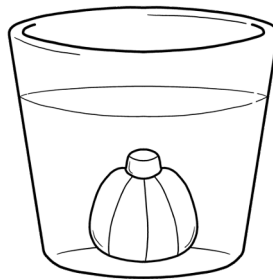
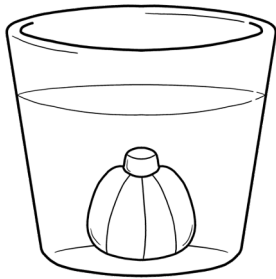
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OBSERVATIONS



water

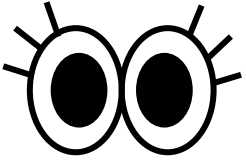
oil

vinegar


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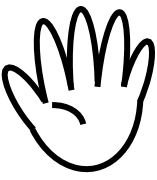
sight



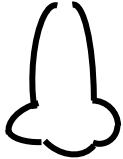
sound



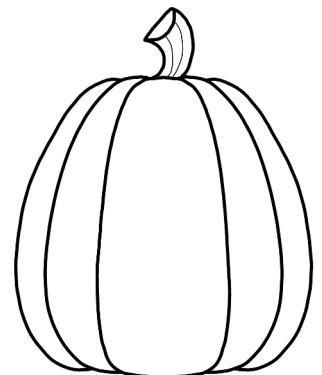
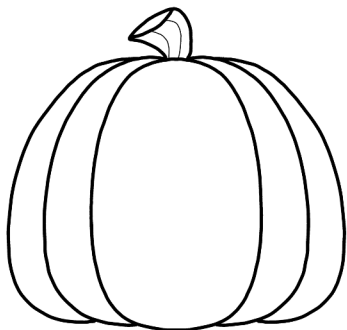
taste



touch



smell

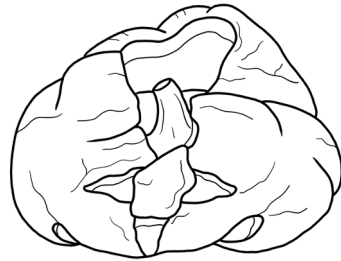


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Materials: pumpkin, bowl with water

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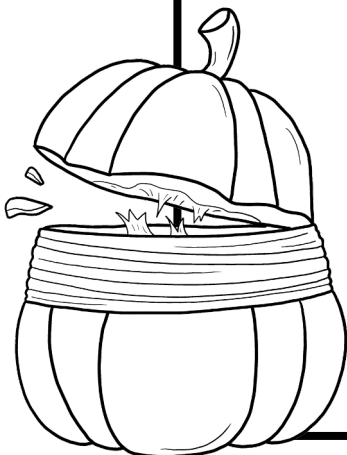
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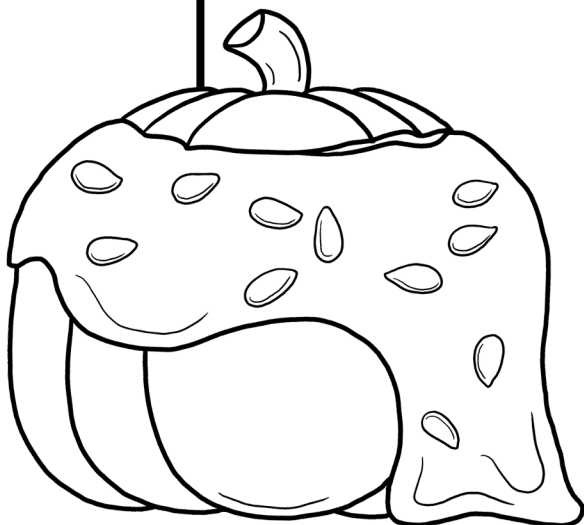
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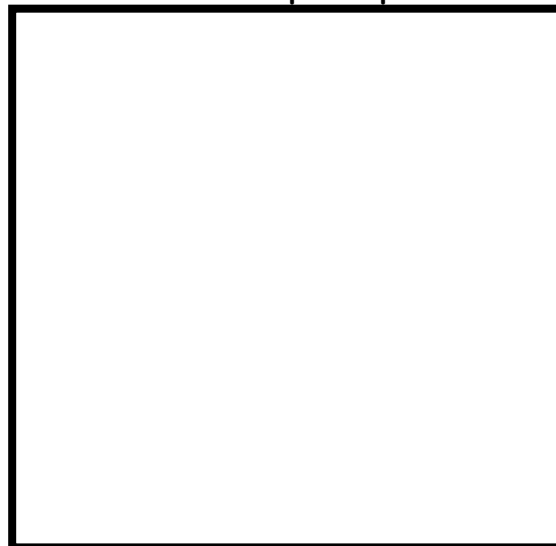
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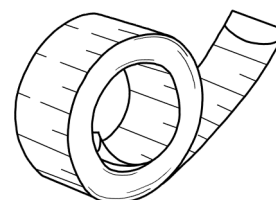
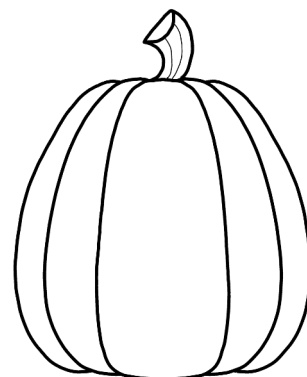
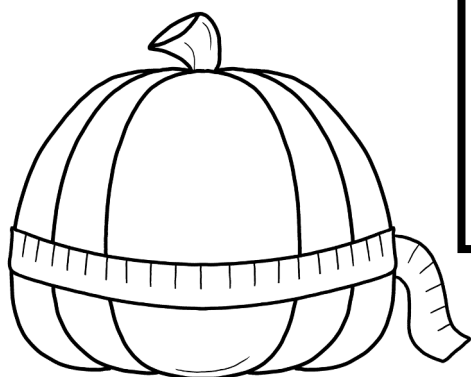
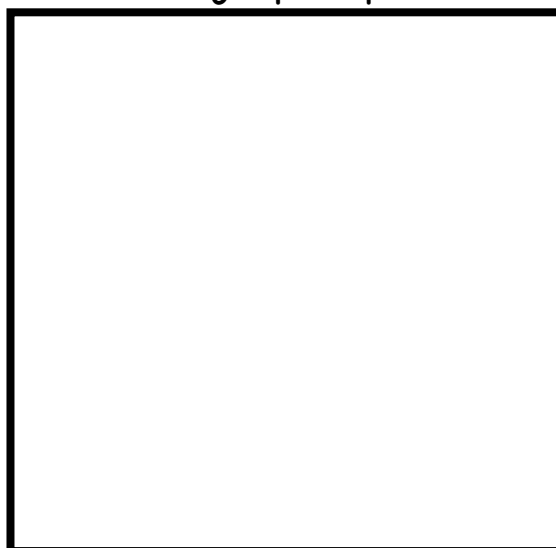
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Medium pumpkin



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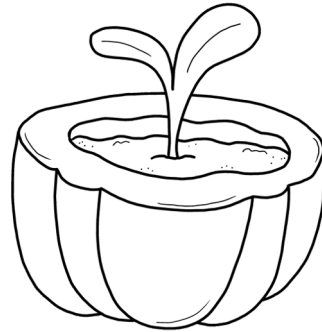


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