

PARENT'S GUIDE

PUMPKIN SLIME PROPERTIES

Slime Recipe for 4-6 Students. These liquids or solutions can be made 2-3 days in advance. Once prepared, keep them covered. We like to use Tupperware or empty water bottles to store our solutions.

Materials:

.5 cups white Elmer's Glue (4 oz glue bottle)	.5 teaspoons Borax	.5 teaspoons pumpkin spice
orange food coloring	Ziploc bags (1 per student)	Teaspoon for Borax Solutions
Tablespoon for Glue Solutions	Container for slime solution	centimeter ruler or meter stick

Orange Glue Solution "G":

1. Mix .5 cups (4oz glue bottle) of white Elmer's school glue with .5 cups (125 ml) of hot tap water.
2. Add 5 drops of orange food coloring.
3. Add .5 teaspoons of pumpkin pie spice, mix in well. Allow to cool.

Clear Borax Solution "B":

1. Mix .5 cup (125 ml) of hot water with .5 teaspoon of Borax. Allow to cool.

Set up Classroom

- Set up containers of each solution to use.
- You do not want students to use put the measuring spoons in the wrong container because the slime will be activated on the spoons and can mess up your solutions.
- Have a centimeter ruler or a meter stick available.

Math and Science Topics Covered:

Physical Properties Measurement Shapes

Definition of a Property: Physical **properties** are characteristics that can be observed or measured without changing the composition of a substance.



Name: _____



PUMPKIN SLIME PROPERTIES

We are going to make pumpkin slime and explore its properties.

Ziploc Bag	"B" Clear Borax Liquid	"G" Orange Glue Liquid	Measuring Spoons
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You will mix two liquids. Will you end up with a solid or a liquid?

1. Open the plastic bag.
2. Carefully pour **2 full Tablespoons** of the orange liquid "G" into your plastic bag.
3. Using a **different spoon** carefully pour **2 full teaspoons** of the clear liquid "B" into your plastic bag.
4. Close the bag and knead the mixture well for 3 minutes.
5. Take the slime out of the bag and explore its properties.

Pumpkin Slime Property Investigation!

Use your senses and measuring tools to find the physical properties of your slime.

1. **Color**: What color is your slime? _____
2. **Smell**: What does your slime smell like? _____
3. **Temperature**: Is your slime hot or cold?
4. **Length**: Make your slime into a rectangle. How many centimeters long is it? _____ cm
5. **Shape**: Use your slime to make a shape with 3 sides. Draw it:
Use your slime to make a shape with 5 sides. Draw it:
6. **Tear**: Can you tear your slime? Yes No
7. **Squeeze**: When you tightly squeeze your slime. What happens?

8. **Texture**: Is your slime smooth or rough? _____
9. **Keep Shape**: Make your slime into a ball and place it on your hand. Hold it for 60 seconds. Does your slime keep its ball shape? Yes No
10. **Bounce**: Make your slime into a ball and drop it onto your table. Does it bounce?

DEFINE PROPERTY: _____

