

# FALL SLIME PACK



## INTRODUCTION:

Welcome to your Fall SLIME pack! I hope it sparks creativity and curiosity with all of your slime loving kids. Did you know slime is a wonderful classroom activity as well as a home or club activity for exploring chemistry?

This slime pack includes our easy to use slime recipes, slime science facts, slime math activities, slime literacy ideas, and more slimy fun! Plus, we have fun slime challenges to try that even use real pumpkins! Slime made in the pumpkin is the best.

Feel free to use the slime pack with just one slime maker or a whole group of slime makers. You may copy activities as many times as you like for your class, but please send your friends to grab their pack instead of sharing files.

~ Thank you!

# Fall Slime Challenges



## FALL SLIME

Decorating small containers or jars to look like pumpkins and apples will really highlight your fall theme slimes. They make the perfect favor to take home. Use felt, pipe cleaners, and card stock for leaves and stems!

## FALL THEMES

Click on the slime titles to see complete set up instructions, variations, tips, and short videos!

### Make Slime In A Pumpkin

Whip up a batch of slime right inside a small baking pumpkin with seeds and everything! To see how to make this unique slime, [click here!](#)

### Make A Cinnamon Scented Slime!

Use the basic slime recipe with clear glue or white glue. Add a tablespoon or two of cinnamon spice during the mix-ins step!

### Make A Glittering Apple Theme Slime

Use the basic slime recipe with clear glue, red food coloring, and red glitter. Make a fun apple theme container.

### Make A Fall Confetti Theme Slime

Use the basic slime recipe with clear glue. make several batches in fall or harvest colors. Add leaf or turkey confetti, glitter, or sequins in fall colors!

### Make A Pumpkin Slime Volcano

Check out the recipe for our slime volcano [here](#). Why not try making it in a small pumpkin! You will need white glue, food coloring, saline solution, baking soda, and vinegar.

### Make A Fluffy Apple or Pumpkin Slime

Use the fluffy slime recipe provided and turn it into a pumpkin or apple theme with red or orange food coloring.

### Make Pumpkin or Applesauce Oobleck

Mix 1.5 cups of cornstarch with 1 cup of canned pumpkin or applesauce for a unique texture. [Click here](#) to read more about it.

[CLICK HERE FOR ADDITIONAL RECIPES & IDEAS](#)

# Best Basic Slime Recipe



## Easy Slime Recipe for Kids

This is an awesome, versatile recipe for any of your favorite slimy themes. It also handles mix-ins very well!

For extra stretchy slime, we suggest not putting in too much saline until you have spent some time kneading your slime.

[Click here for the 4 basic slime recipes!](#)

### Saline Solution Slime Recipe

Mix 1/2 cup of white or clear washable school glue (Elmers is our favorite) with 1/2 cup of water.

Add a 1/4-1/2 tsp of baking soda

Add food coloring and mix-ins like confetti or foam beads

Stir in 1 tbsp of saline solution until slime forms. Saline solution must contain boric acid and sodium borate to work correctly.

Knead slime to desired consistency. Squirt a few drops of saline onto hands to help reduce stickiness. Sticky slime is great for mix-ins like foam beads.

### Slime Making Tips

For fluffy slime, omit water and replace it with 3 cups of foam shaving cream.

For butter slime, knead in 1-2 oz of soft clay after the slime is made.

For foam slime, add in 1 cup of beads before adding saline solution. Or mix beads into already made slime!

## Supplies

Washable White and Clear School Glue

Baking Soda and White Vinegar

Saline Solution

Water

Foam Shaving Cream

Food Coloring

Cornstarch/Baking Soda

Storage Containers

### Fall Theme Supplies!

- Glitter
- Sequins
- Confetti
- Acrylic Leaves (vase filler)
- Cinnamon Spice
- Foam Beads
- Soft Clay (Butter Slime)
- Real Pumpkins (smaller size such as a baking pumpkin)
- Small Jars or Containers



[CLICK HERE FOR RECOMMENDED SUPPLIES](#)





# Fall Slime

## Fun Chemistry for Kids



**\*SLIME SAFETY:** Slime is a chemistry experiment and should be treated with respect. Do not substitute slime ingredients and do not change our recipes. If you have sensitive skin, consider wearing disposable gloves or trying a taste safe recipe instead.

## FLUFFY SLIME

- White Washable PVA School Glue
- Foaming Shaving Cream
- Baking Soda
- Food Coloring
- Saline Solution (contains both sodium borate and boric acid as ingredients)

Measure 3-4 heaping cups of shaving cream into a bowl. Add food coloring.

Next, add a 1/2 cup of glue to the shaving cream and mix. Add 1/2 tsp. of baking soda and mix. Add 1 tablespoon of the saline solution to the mixture and start whipping.

Once mixed it can be pulled with hands.

## SALINE SLIME

- Clear or White PVA School Glue
- Saline Solution (contains both sodium borate and boric acid as ingredients)
- Baking Soda
- Water
- Bowl, Spoon, Measuring Cups & Spoons

Mix 1/2 cup glue and 1/2 cup of water in a bowl. Add 1/2 tsp. of baking soda and stir.

Add food coloring and mix-ins if desired.

Add 1 Tbsp. of saline solution. Stir vigorously until mixture forms a slimy ball.

Coat hands with a few drops of saline, and knead slime to desired consistency.

# BORAX SLIME



- 1/4 tsp. Borax Powder
- 1/2 cup Elmer's Clear or White Washable PVA School Glue
- 1 cup of Water divided to 2 1/2 cups
- Food Coloring, Glitter, Confetti
- Bowl, Spoon, Measuring Cups

Dissolve 1/4 teaspoon of borax powder into 1/2 cup of warm water in one of the three bowls. Mix this thoroughly.

In the second bowl measure out about 1/2 cup of clear glue and mix with 1/2 cup of water until well mixed. Pour borax/water mixture into glue/water mixture and stir. You will see it come together right away.

It will seem stringy and clumpy. Remove from bowl. Spend a few minutes kneading the mixture together. You may have left over borax solution.

Store in clean container with cover.

# GLITTER GLUE SLIME

- 1 Bottle of Elmer's Washable Glitter Glue (any color)
- 1/8-1/4 cup of Liquid Starch

Start by adding your glitter glue to a bowl and grab a mixing utensil.

Start adding up to 1/8 cup of liquid starch and stir well until slime consistency forms. The starch acts as the slime activator. For a single batch of slime 1/8 to 1/4 cup does the trick.

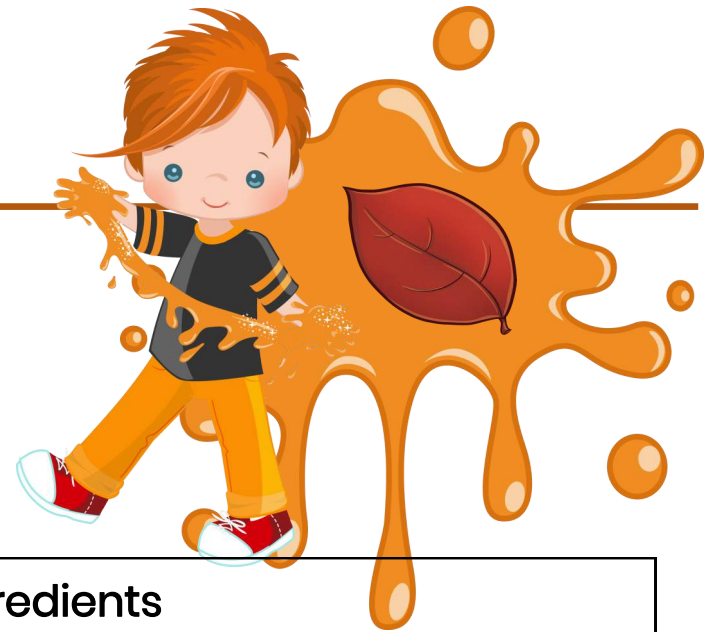
If your slime still feels too sticky, you need more starch. Be careful, and add just a little at a time until you get the consistency you want. If you add too much liquid starch your slime will become stiff and rubbery. You can always add, but you can't take away.

**SLIME TIP:** Liquid starch slime may appear stringy at first but give it a few minutes.



# Saline Glitter Slime

Calculate the slime ingredients if you were to alter the amounts in the recipe.



## Saline Glitter Slime Recipe Ingredients

- 1/2 cup clear or white glue
- 1 T. Saline solution
- 1/2 cup water
- 1/4 tsp. baking soda

### Double the Ingredients

$$1/2 \text{ cup} \times 2 = \underline{\hspace{2cm}} \text{ cup}$$

$$1 \text{ Tablespoon} \times 2 = \underline{\hspace{2cm}} \text{ cup}$$

$$1/2 \text{ cup} \times 2 = \underline{\hspace{2cm}} \text{ cup}$$

$$1/4 \text{ teaspoon} \times 2 = \underline{\hspace{2cm}} \text{ teaspoon}$$

### Triple the Ingredients

$$1/2 \text{ cup} \times 3 = \underline{\hspace{2cm}} \text{ cups}$$

$$1 \text{ Tablespoon} \times 3 = \underline{\hspace{2cm}} \text{ Tablespoons}$$

$$1/2 \text{ cup} \times 3 = \underline{\hspace{2cm}} \text{ cups}$$

$$1 \text{ teaspoon} \times 3 = \underline{\hspace{2cm}} \text{ teaspoons}$$

### Quadruple the Ingredients

$$1/2 \text{ cup} \times 4 = \underline{\hspace{2cm}} \text{ cups}$$

$$1 \text{ Tablespoon} \times 4 = \underline{\hspace{2cm}} \text{ Tablespoons}$$

$$1/2 \text{ cup} \times 4 = \underline{\hspace{2cm}} \text{ cups}$$

$$1 \text{ teaspoon} \times 4 = \underline{\hspace{2cm}} \text{ teaspoons}$$

### Half the Ingredients

$$1/2 \text{ cup} \div 2 = \underline{\hspace{2cm}} \text{ cup}$$

$$1 \text{ Tablespoon} \div 2 = \underline{\hspace{2cm}} \text{ Tablespoon}$$

$$1/2 \text{ cup} \div 2 = \underline{\hspace{2cm}} \text{ cup}$$

$$1 \text{ teaspoon} \div 2 = \underline{\hspace{2cm}} \text{ teaspoon}$$



# Fluffy Neon Slime

Calculate the slime ingredients if you were to alter the amounts in the recipe.

## Borax Slime Recipe Ingredients

- $\frac{3}{4}$  cup shaving cream
- $\frac{1}{2}$  cup white pva school glue
- $\frac{1}{2}$  tsp. baking powder
- 1 T. saline solution



## Double the Ingredients

$$\frac{3}{4} \text{ cups} = \times 2 = \underline{\hspace{2cm}} \text{ cups}$$

$$\frac{1}{2} \text{ cup} \times 2 = \underline{\hspace{2cm}} \text{ cup}$$

$$\frac{1}{2} \text{ tsp.} \times 2 = \underline{\hspace{2cm}} \text{ teaspoon}$$

$$1 \text{ Tablespoon} \times 2 = \underline{\hspace{2cm}} \text{ Tablespoons}$$

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## Half the Ingredients

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$$\frac{1}{2} \text{ tsp.} \div 2 = \underline{\hspace{2cm}} \text{ teaspoon}$$

$$1 \text{ Tablespoon} \div 2 = \underline{\hspace{2cm}} \text{ Tablespoons}$$

# Floam Slime

Calculate the slime ingredients if you were to alter the amounts in the recipe.

## Borax Slime Recipe Ingredients

- 1/4 cup washable white glue
- 1/2 cup water
- 1/2 cup liquid starch



## Double the Ingredients

$$1/4 \text{ cup} \times 2 = \underline{\hspace{2cm}} \text{ cup}$$

$$1/2 \text{ cup} \times 2 = \underline{\hspace{2cm}} \text{ cup}$$

$$1/2 \text{ cup} \times 2 = \underline{\hspace{2cm}} \text{ cup}$$

## Triple the Ingredients

$$1/4 \text{ cup} \times 3 = \underline{\hspace{2cm}} \text{ cup}$$

$$1/2 \text{ cup} \times 3 = \underline{\hspace{2cm}} \text{ cups}$$

$$1/2 \text{ cup} \times 3 = \underline{\hspace{2cm}}$$

cups

## Quadruple the Ingredients

$$1/4 \text{ cup} \times 4 = \underline{\hspace{2cm}} \text{ cup}$$

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## Half the Ingredients

$$1/4 \text{ cup} \div 2 = \underline{\hspace{2cm}} \text{ cup}$$

$$1/2 \text{ cup} \div 2 = \underline{\hspace{2cm}} \text{ cup}$$

$$1/2 \text{ cup} \div 2 = \underline{\hspace{2cm}} \text{ cup}$$



# Slime Comparison

Slime Recipe Used

Properties:

Draw it:

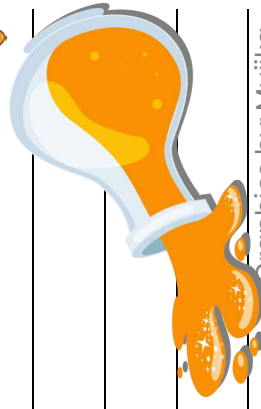
Slime Recipe Used

Properties:

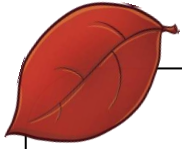
Draw it:

How are these slimes similar?

How are they different?



# My Slime Experiment



My Question

Possible Results  
(Hypothesis)

Supplies

Problem to Solve

My Process

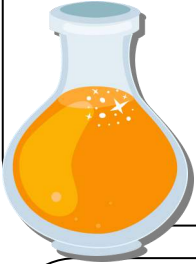
My Observations



# My Slime Experiment

My Question

Possible Results  
(Hypothesis)



Supplies

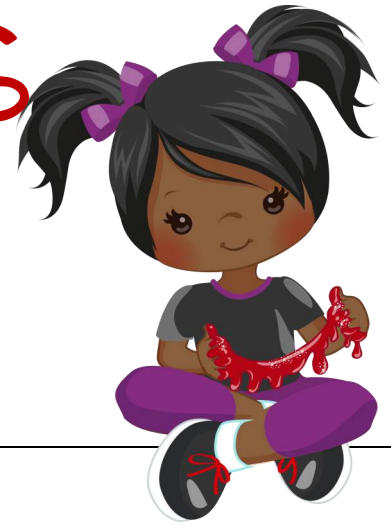
Problem to Solve

My Process

My Observations



# SLIMY REACTIONS



WHAT HAPPENS IF YOU...



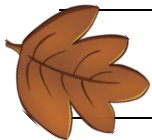
Pour it from cup

Hit it with your fist

Roll into a ball and bounce it

Hold it still in your hand for 30 seconds

Let it sit in container or bag for 24 hours





# SLIMY REACTIONS

WHAT HAPPENS IF YOU...



Twist it

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Squeeze it

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Bend it

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---

Stretch/pull it slow

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---

Stretch/pull it fast

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# Slime Science Vocabulary

Force:

Gas:

Liquid:

Matter:

Mixture:

Molecule:

Newtonian Fluid:

Non-Newtonian Fluid:

Physical Properties:

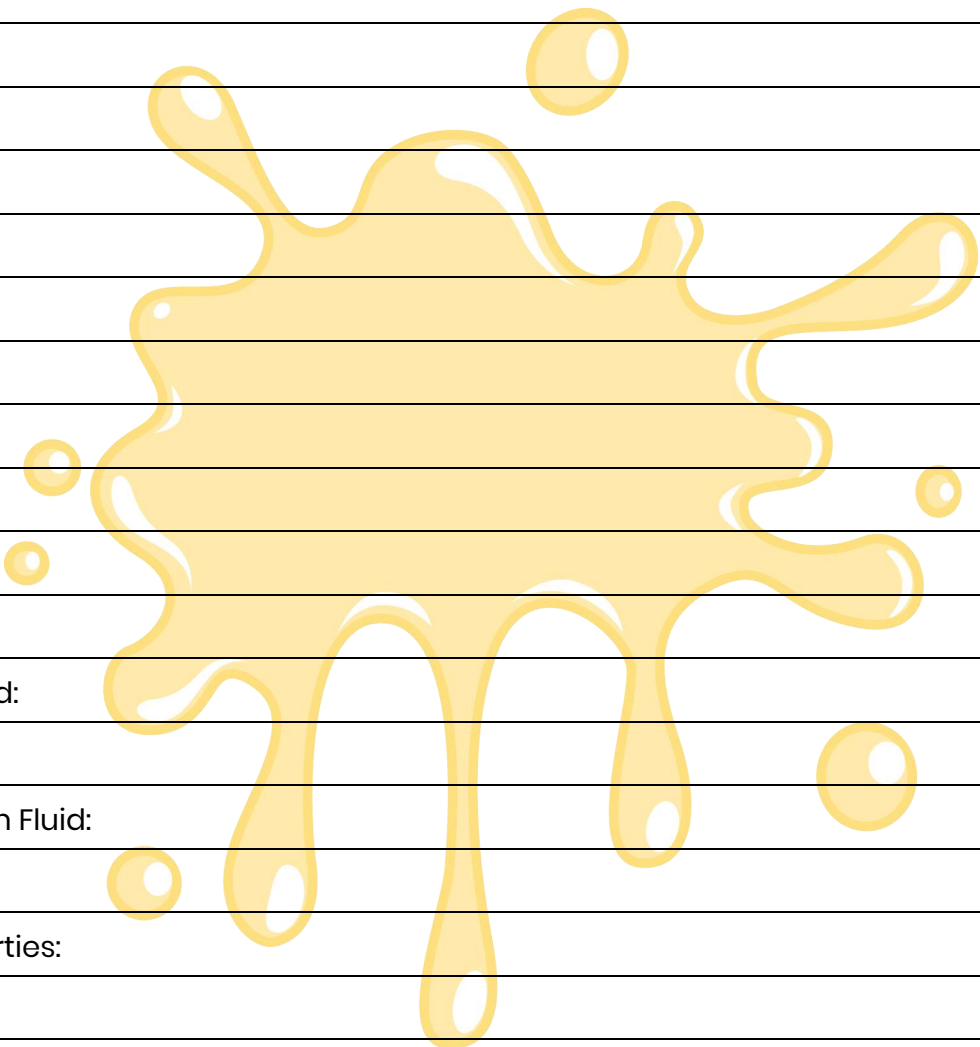
Polymer:

Shear thickening:

Shear Thinning:

Solid:

Viscosity:





# SLIME Science

## SLIME IS A NON-NEWTONIAN FLUID!

A Non-Newtonian fluid is neither a \_\_\_\_\_ or a \_\_\_\_\_ .

It can be \_\_\_\_\_ up like a solid, but it will also \_\_\_\_\_ like a liquid. Slime does not have its own \_\_\_\_\_ like a solid. Slime can also change its \_\_\_\_\_ to take the shape of it's \_\_\_\_\_ like a liquid. It can also be \_\_\_\_\_ like a \_\_\_\_\_ because of its \_\_\_\_\_ but can also spread out as a big \_\_\_\_\_ on a tray. Pull slime slowly and it \_\_\_\_\_ much more freely.



## SLIME IS A Polymer!

A polymer is made up of very long chains of \_\_\_\_\_. The glue used in slime is made up of long chains of \_\_\_\_\_ molecules. These chains \_\_\_\_\_ one another fairly easily which keeps the glue flowing. \_\_\_\_\_ bonds are formed when you mix the glue and slime activator together. Now the chains don't slide quite as easily!

## SLIME IS A SHEAR THICKENING FLUID.

Stresses cause the substance to become more \_\_\_\_\_ but too great a stress will make the slime break apart. If you pull it quickly, the slime will break off because you are breaking apart the \_\_\_\_\_ .



# Saline Glitter

## Ingredients:

1/2 cup clear or white glue

1 T. Saline solution

1/2 cup water

1/4 to 1/2 tsp. baking soda

Food coloring

Glitter

Bowl, measuring cups, spoon

## Procedure:

Mix, glue and water together in bowl. Add food coloring and glitter in a bowl as well until all combined.

Add the baking powder to the mix and stir well. This helps to firm up the slime. .

Add 1 T. saline solution that contains both, boric acid and sodium borate for the best slime activation.

Whip your slime together rapidly because you want it to combine well, but the activator will work quickly.

Use a bit of saline on your hands to reduce the amount of stickiness.

# Sensory Science

What does it feel like?

What do you see?

What do you smell?

What does it sound like?

**Do not taste this slime!**



# Fluffy Neon

## Ingredients:

- 3-4 cups shaving cream
- 1/2 cup white pva school glue
- 1/2 tsp. baking soda
- 1 T. saline solution
- bowl, spoon, measuring cups, measuring spoons

## Procedure:

Measure 3-4 heaping cups of shaving cream into a bowl. You can also experiment with using less shaving cream for different textures!

Add color! We used neon food coloring, but there are so many choices!

Next, add a 1/2 cup of glue to the shaving cream and mix.

Add 1/2 tsp. of baking soda and mix.

Add 1 tablespoon of the saline solution to the mixture and start whipping!

Once you get the mixture thoroughly whipped and incorporated, you can pull it out with your hands!

# Sensory Science

What does it feel like?

What do you see?



What do you smell?

What does it sound like?



Do not taste this slime!

# Floam Slime

## Ingredients:

- 1/4 cup washable white or clear school glue
- 1/2 cup water
- Food coloring
- Styrofoam beads
- 1/2 cup liquid starch
- Bowl, measuring cup, measuring spoon

## Procedure:

Add 1/4 cup of glue to a bowl. Mix in 1/4 cup of water to the glue. Add food coloring and stir.

Add Styrofoam beads. Try using varying amounts to see which result you prefer, try 1 cup, 3/4 cup, 1/2 cup, 1/3 cup, and 1/4 cup measurement. Stir well to incorporate the beads.

Mix in 1/4 cup of liquid starch to the glue/water/bead mixture. Stir up your slime.

The slime will form instantly and you will be able to mix it all completely and grab it with your hands in under minute! Make sure to knead it and stretch it. It may be a little sticky at first, but it won't remain that way.

Transfer to a dry container and wash your hands when you are finished!

# Sensory Science

What does it feel like?

What do you see?

What does it sound like?

What do you smell?

**Do not taste this slime.**