

Laboratorní práce č.			
Slime			
Téma:	POLYMERES		
Jméno a příjmení:		Hodnocení:	
Ročník:		Školní rok:	
Datum:		Třída:	

Slime is easy to make. It only takes a few ingredients and a few minutes to make a batch. Follow these step-by-step written instructions or [watch the video](http://chemistry.about.com/od/letsmakeslime) to see how to make slime.
sources: <http://chemistry.about.com/od/letsmakeslime>

Aids (what you need):

Step-By-Step Slime Instructions

- To get started, gather the following materials:
water
white glue or gel - glue
borax
food colouring (unless you want uncoloured white slime)
- There are two components to slime. There is a borax and water solution and a glue, water, and food colouring solution. Prepare them separately.
 - Mix 1 teaspoon borax in 1 cup of water. Stir until the borax is dissolved.
 - In a separate container, mix 1/2 cup white glue with 1/2 cup water. Add food colouring, if desired.
- After you have dissolved the borax and diluted the glue, you are ready to combine the two solutions. Stir one slime solution into the other. Your slime will begin to polymerize immediately.
- The slime will become hard to stir after you mix the borax and glue solutions. Try to mix it up as much as you can, then remove it from the bowl and finish mixing it by hand. It's okay if there is some coloured water remaining in the bowl.



5. Store your slime in a sealed ziplock bag, preferably in the refrigerator. Insect pests will leave slime alone because borax is a natural *pesticide*, but you'll want to chill the slime to prevent mould growth if you live in an area with high mould count. The main danger to your slime is evaporation, so keep it sealed when you're not using it.

Things to Do with Slime



The slime will start out as a highly flexible polymer. You can stretch it and watch it flow. As you work it more, the slime will become stiffer and more like putty. Then you can shape it and mould it, though it will lose its shape over time. Don't eat your slime and don't leave it on surfaces that could be stained by the food colouring.

Recipes for Making Different Types of Slime

1) How To Make Glow in the Dark Slime

Basically, you make glowing slime by adding zinc-sulfide or glowing paint to normal slime.

2) How To Make Goo (non- toxic)

1. Empty the box of cornstarch into a bowl.
2. Add 1-1/2 cups of water.
3. Add about 15 drops of food colouring. It's fine without colour, too.
4. Mix the goo with your hands.

3) Radioactive-Looking Slime

Add a couple of drops of food colouring. The radioactive chemistry green-yellow colour is obtained by adding 2 drops of yellow or 2 drops yellow and 1 drop of green colouring, depending how green you want the slime.



Summary:

- 1) Types of glue:
- 2) The best kind of glue is:
- 3) Which of the chemicals are natural pesticides?
- 4) Write a formula: a) borax
b) zinc sulfide

