

# Make Your Own Slime at Home

## Materials

- Borax powder
- School glue
- 1 cup and 1 tablespoon of water, divided
- Food coloring (optional)
- Measuring cup
- Measuring spoons
- Mixing bowl
- Mixing spoon
- Zip top baggies (optional)



## To make the slime

1. Measure out 1 teaspoon of the Borax powder and mix it in to one cup of water.
2. Measure out 1 cup of glue and add food coloring (if using). Add in 1 tablespoon of water and stir until fully mixed.
3. Scoop 2 tablespoons of glue solution into the mixing bowl.
4. Scoop 1 tablespoon of the borax solution into the mixing bowl. Stir the two ingredients together. It will start to congeal quickly, you may even need use your hands to finish mixing. Continue mixing until the material no longer sticks against your hands.
5. You can store your slime in a zip top baggie so that it does not dry out.

## Optional Mix-ins

- Try adding glitter to the slime to make it sparkle
- Try adding fine craft sand to the slime to make kinetic sand
- Try adding highlighter fluid to the borax mixture to make it fluoresce in ultraviolet light

## How does it work?

You made a type of polymer. Polymers are molecules that are linked together like the links in a chain. The glue has an ingredient called polyvinyl acetate, which is a liquid polymer. The borax jumbles the polyvinyl acetate molecule chains so that they cannot flow, creating a stiffer, flexible polymer. You can test out the properties of your polymer; does it bounce like a solid or spread like a liquid? What other tests can you create? If you noticed that the slime has properties of both a solid and liquid then you might be confused. Your polymer is called a Non-Newtonian Liquid. It is a liquid that can have properties of a solid as well, acting in a way that Sir Isaac Newton would have been surprised by!