

Homemade Slime

Supplies

Borax (local grocery store in the laundry detergent aisle)

White glue

Food coloring

Ziploc bags

Green plastic eggs (optional)

Need measuring cups and spoons.

How to do the experiment:

Homemade Slime Recipe

Borax

White Glue

Water

Food Coloring (optional)

Ziploc bag

1. Borax is available in the laundry section of your local grocery store. Take a cup of water and add to it 1 Tbs. of borax (approx 4% solution). Stir until completely dissolved.
2. Make a 50% water 50% white glue solution. Take 1/4 cup of each and mix thoroughly.
3. In a Ziploc bag, add equal parts of the borax solution to equal parts of the glue solution. 1/2 cup of each will make a cup of slime.
4. Add a couple drops of food coloring.
5. Seal bag and knead the mixture.
6. Dig in and have fun. Remember to wash your hands after playing.
7. Transfer to an empty green plastic egg.

Explanation:

The borax is acting as the cross linking agent or "connector" for the glue (polyvinyl acetate) molecules. Once the glue molecules join together to form even larger molecules called polymers, you get a thickened gel very similar to slime. If you've tried this recipe (formula) before using blue starch (instead of the borax) with mixed results, you won't be disappointed with this one. Works every time! If you have access to a chemical supply house, try a 4% solution of polyvinyl alcohol instead of the glue for a less rubbery polymer and one that is transparent showing off the color better.