



## **SLIME**

*Chemistry*

This experiment explores states of matter. Understanding the structure of a material and how it behaves is a large part of what scientists do for a living! In this experiment, you will investigate the physical properties of an odd substance... slime! Is it solid? Or is it a liquid? Combine ingredients and make your own slime to test it out.

### **Materials:**

- Glue
- Baking Soda
- Food Coloring
- Contact Solution (including boric acid)
- Plastic Cup
- Spoon
- Plastic Bag

### **Directions:**

1. Fill up the plastic cup with  $\frac{1}{2}$  cup of glue.
2. Add  $\frac{1}{4}$  tbsp of baking soda to the cup.
3. Mix using the spoon!
4. Add 2-3 drops of food coloring to the cup.
5. Mix using the spoon! Make sure you mix down to the bottom of the cup.
6. Add 2 tbsp of contact solution to the cup.
7. Mix using the spoon. Observe as the contents in your cup start to change texture. If your mixture is too sticky, add more contact solution.
8. Once gelled together, dump the contents of your cup out and continue to mix with your hands.
9. Play with your slime! If you have glitter or other small craft items, you can mix them in. To store your slime, seal it in a plastic bag.

**Note:** Adult supervision required! While the individual items here are safe, we don't encourage anyone - including children - to eat or drink this mixture.