

**STEM Activity: Slime**

Explore the physical changes that occur when you turn glue into Slime.

**Grade Range:** PreK to 3<sup>rd</sup>

**Time:** 30-45 min

**Synopsis:** The slime experiment is used to teach the scientific method to young explorers. When glue reacts to make slime, the glue molecules are “tied” together to make an even larger molecule. Students are asked to describe what happens in each step using as many words as they can to describe what they see and feel.

**Safety:** Provide instructions before handing out ingredients. Remind students to avoid getting ingredients in eyes and mouth. Wash hands at the end of the experiment. At the end, collect slime in plastic bags and dispose.

**Materials (individual):**

Zip seal plastic bag

Glue (Glitter, Clear, White) – 3 teaspoons

Baking soda – ½ teaspoon

Contact lens solution – 1 teaspoon

**Experiment:**

1. Place 3 teaspoons of Glue into a plastic bag with a zip seal. Describe the glue.
2. Add ½ teaspoon of Baking Soda into plastic bag and seal. Mix the ingredients by placing the sealed bag between your palms and rubbing together. Make your observations. How is it the same and how is it different?
3. Open the bag and add 1 teaspoon of Contact Lens Solution. Seal the bag and mix the ingredients as before vigorously. Be patient, it might take time! Observe what happens and describe the change.
4. If you want, open the bag to handle the Glue Slime. Dispose of the Glue Slime in the plastic bag.

**Discussion Questions:**

Was your slime sticky or could you form it into a ball?

If you were an inventor, what might you make using this new material?

How could you change this experiment? What could you do differently?