

# SLIME

## Glow-in-the-Dark Slime: A Spooky Science Lesson for Seniors

### Objective:

Learn about polymers and non-Newtonian fluids by making your own glow-in-the-dark slime.

### Materials Needed:

1. 1 cup of white school glue
2. 1 cup of water
3. Glow-in-the-dark paint (or glow-in-the-dark powder)
4. 1 cup of liquid starch
5. Mixing bowl
6. Stirring stick
7. Measuring cups
8. Ziplock bags for storage
9. Safety goggles

### Procedure:

#### 1. **\*\*Safety First\*\***:

- Note: The ingredients are generally safe to handle but should not be ingested.

#### 2. **\*\*Mixing The Base\*\***:

- In the mixing bowl, combine 1 cup of white school glue with 1 cup of water. Stir until well mixed.

#### 3. **\*\*Add The Glow\*\***:

- Add a generous amount of glow-in-the-dark paint or powder to the glue and water mixture. Stir until it's evenly distributed.

#### 4. **\*\*Make it Slime\*\***:

- Slowly add 1 cup of liquid starch to the mixture while stirring constantly.

#### 5. **\*\*Stir Until Slime Forms\*\***:

- Continue to stir until the mixture thickens and forms slime. You'll know it's ready when it pulls away from the sides of the bowl.

#### 6. **\*\*Check The Glow\*\***:

- Turn off the lights to see your slime glow!

### **7. \*\*Storage\*\*:**

- Store the slime in Ziplock bags to keep it fresh.

### **Scientific Explanation:**

The slime is a non-Newtonian fluid, which means it doesn't follow Newton's law of viscosity. It acts as both a liquid and a solid, depending on the forces applied to it. The glow-in-the-dark paint or powder contains phosphors that get energized by light and emit a glow when in the dark. This is a perfect way to discuss polymers, viscosity, and chemical luminescence in a fun and engaging manner.

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This spooky science activity not only provides hands-on learning but is also a great way for seniors to have some creative fun!