



GLOW SLIME

SCIENCE SAFETY

PLEASE follow these safety precautions when doing any science experiment.

- **ALWAYS** have an adult present.
- **ALWAYS** wear the correct safety gear while doing any experiment.
- **NEVER** eat or drink anything while doing any experiment.
- **REMEMBER** experiments may require marbles, small balls, balloons, and other small parts. Those objects could become a CHOKING HAZARD. Adults are to perform those experiments using these objects. Any child can choke or suffocate on uninflated or broken balloons. Keep uninflated or broken balloons away from children.

INGREDIENTS

- 1/4 Cup Liquid Starch
- 1/4 Cup Elmer's Glue
- 2 Tablespoons of Glow-In-The-Dark Pigment
- 1 Bowl
- 1 Bright Flash Light

INSTRUCTIONS

STEP 1: Mix the liquid starch and glow-in-the-dark-pigment in the bowl. Add the Elmer's glue and mix. Describe and classify the liquid starch and glue by its observable properties.

STEP 2: Remove the glow slime from the bowl, continue to mix the slime with your hands. Is the glow slime a solid or a liquid? Explain how the glow slime could be used as a model to describe that matter is made of particles too small to be seen.

STEP 3: Hold the bright flash light close to the glow slime, turn off the lights, turn off the bright flash light, and observe. Describe and classify the glow slime by its observable properties.

EXPLANATION

The glue is made up of long chains of molecules. The liquid starch links the long chains of molecules together, creating the glow slime. The glow-in-the-dark pigment or phosphorescent pigment absorbs light and then re-emits it over a period of time causing the glow slime to "glow."



SCIENCE BACKGROUND

Matter is anything that has mass and takes up space. Different kinds of matter exist and many of them can be either solid or liquid, depending on temperature. Matter can be described and classified by its observable properties. Matter of any type can be subdivide into particles that are too small to see, but even then the matter still exists and can be detected by other means.

I CAN STATEMENT

- ✓ I can plan and conduct an investigation to describe and classify different kinds of matter by their observable properties.
- ✓ I can develop a model to describe that matter is made of particles too small to be seen.

NEXT GENERATION SCIENCE STANDARDS CONNECTION

2 – Structure and Properties of Matter | Patterns | Cause and Effect

5 – Structure and Properties of Matter | Scale, Proportion, and Quantity