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 subdivided 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 its observable properties.

✓ I can develop a model to describe that matter is made of particles too small to be seen.

**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.”