



# Properties of Matter Activity for Kids

## Slime DIY

 Duration: **30-60 min**

 Difficulty: **Easy**

 Cost: **\$0 to \$5**

Make classic slime and explore its properties!

## Material List

- 1** Measuring cup
- 1** Cup of water
- 1** Tube of washable glue
- 1** Teaspoon of borax powder
- 2** Mixing bowls
- 1** Spoon or spatula
- 1** Food coloring optional

## Instructions

- 1** Measure  $\frac{1}{2}$  cup water and  $\frac{1}{2}$  cup glue in first bowl.
- 2** Add a few drops of food coloring (optional).
- 3** Mix with a spoon or spatula.
- 4** In a separate bowl, mix 1 teaspoon of borax into  $\frac{1}{2}$  cup of water.
- 5** Pour the two bowls of liquid together.
- 6** Mix until it becomes slimy.
- 7** Study the properties of the slime!
- 8** Tip: Do not to use the same bowls you eat from.

## How It Works

The ingredients used to make slime undergo a chemical change when they are mixed together. Glue is a thick white liquid, but when mixed with borax it forms a new chemical that is much thicker ... and it's slimy! The properties of the new substance are different: both glue and borax can be dissolved in water, but slime does not dissolve in water. Slime is also more dense than water so it sinks (unless you mixed in a lot of air bubbles when stirring it). Try to study its other properties!