



Chemistry!

Teacher Background—Polymer Recipe

This lesson aligns with Utah SEEd Standard 2.3.4

Polymers are chains of atoms combined together to form long lengthy chains.

Polymers are all around us, they make up plastics, the material of our clothes—our bodies even create polymers when they make proteins.

The polymer is a mixture of three different substances. Is the polymer the same as any of those, or did you create something new?

Polymer Recipe

Ingredients:

2 Cups Warm Water
1 Cup Glue
2 Teaspoons Borax*
Food Coloring
Plastic Bag

- Mix 1 cup glue and 1 cup warm water together in a bowl. Stir until completely combined, no pieces
- Mix 1 cup warm water and 2 teaspoons Borax*. Stir Borax until fully dissolved in water.
- Add food coloring of your choice to the glue mixture (TIP: A polymer is a combination of many molecules, try combining two different colors when making your polymer).
- Add the Borax water into the glue and water mixture.

**This recipe includes Borax. Borax is toxic if ingested.*

