



California State University of Bakersfield, Department of Chemistry

Glitter Slime



Standards:

5-PS1-4. Conduct an investigation to determine whether the mixing of two or more substances results in new substances.

2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

Introduction:

What is slime? It feels like a solid, but at the same time it looks like a liquid. So which is it? Slime is a polymer. Polymer molecules are chained together; they are able to stretch which allows the slime to be flexible and have liquid properties but they also stay packed together which allows them to have solid properties.

Materials:

- 1 Elmer's Glitter Glue (any color will work)
- Water
- 1 teaspoon of Borax
- Bowl

Safety:

- Always have an adult with you to help you during your experiment.
- Always wear eye protection and gloves when doing chemistry experiments.

This material is based upon work supported by the CSUB Revitalizing Science University Program (REVS-UP) funded by Chevron Corporation. Opinions or points of view expressed in this document are those of the authors and do not necessarily reflect the official position of the Corporation or CSUB.

Procedure:

1. Mix 1 cup of water and a teaspoon of Borax together.
2. Empty glitter glue into a bowl and add one tablespoon of water to make the glue easier to work with.
3. Add Borax solution to the bowl and combine it to the glue.
4. Mix both solutions with your hands until it's a good slimy form.

*Make sure not to leave the slime in the water mixture too long or it may harden.

Data and Observations:

1. Did the glue and Borax solution combine automatically?

2. How did the slime feel after you finished forming it?

3. Can you make it into any shape or form?

References:

1. How to Make Glitter Slime. The 36th Avenue.
<http://www.the36thavenue.com/2012/09/how-to-make-glitter-slime.html>
(Accessed: July 28, 2014).