

Making Slime

Instructions

Materials:

50 mL of a 4% aqueous solution of poly(vinyl alcohol)

10 mL of a 4% sodium borate solution

Beaker

Plastic spoon

Demo Procedure:

1. Place 50 mL of a 4% aqueous solution of poly(vinyl alcohol) in a beaker and add 10 mL of a 4% sodium borate solution.
2. Stir the mixture with a plastic spoon until the material gels and sticks together.
3. Knead until the material is worked into a semi-rigid mass.
4. Colored slime may be prepared by adding water soluble food coloring during kneading.
5. Optional: Measure the temperature of the slime to demonstrate that there is a cooling effect.

Source:

Provided by Dr. Ann Hicks as adapted from A. M. Sarquis, C. H. Van Dyke, and E. Z. Cassaa, "The Gelation of Poly(Vinyl Alcohol) with Borax," *Instructor*, 142, 1985.)