



CHEMISTRY “SILLY SLIME” MINI-LAB



Objectives

- To observe the properties of amorphous solids firsthand
- To review characteristics of crystalline vs. amorphous solids

Materials

Corn Starch
Water
Plastic zip-top bags
Food coloring

Procedure

- 1) Write a hypothesis for question #1 below: How will the slime feel? How will it move? What will the texture be?
- 2) In a zip-top bag, mix equal parts of corn starch and water. Add food coloring if desired.
- 3) Knead the bag with your hands until the mixture has a smooth texture.
- 4) Pour the slime onto your desk. Observe how it moves.
- 5) Touch the slime with your hands. Observe any changes.
- 6) Try to pick up the slime with your hands. Observe.
- 7) Have fun!

Questions

- 1) Write your initial hypothesis here.
- 2) Were your predictions correct?
- 3) Describe the texture of the slime when it was on a cool surface.
- 4) Describe the texture of the slime when it was in your hands.
- 5) Does the slime change texture during the class period? If so, describe.
- 6) Why is the slime not a true solid?
- 7) How is this slime similar to the putty we made with borax and glue? How is it different?