

What you need to do:

Procedure: Part A: Making Silly Putty

1. Place 15 mL of 55% Elmer's Glue solution in water in a 100 mL beaker.
2. Add a few drops of food coloring and stir well until the color is uniform.
3. Add ~5 mL of 4% Sodium Tetraborate (Borax®) solution in water. Stir well.
4. Remove the silly putty from the beaker and roll it around in your hands for two minutes.
5. Complete the assigned tasks in Part C.

Procedure: Part B: Making Slime

1. Place 15 mL of 5% polyvinyl alcohol solution in water in a 100 mL beaker.
2. Add a few drops of food coloring and stir well until the color is uniform.
3. Add 1 mL of 4% sodium tetraborate (Borax®) solution in water. Stir like crazy for two minutes.
4. Add borax solution as desired to make the slime thicker.
5. Complete the assigned tasks in Part C.

Procedure: Part C: Testing Silly Putty Vs. Slime

1. Using a ruler to measure, drop a ball of your silly putty and your slime from at least 1 foot above the bench and make observations regarding the bounce.
2. Stretch the silly putty **slowly** into a long rope until it breaks. Measure the length of the rope you are able to make. Repeat using the slime.
3. Reform the silly putty and slime back into a ball and repeat the bounce test from step 1.
4. Pull the silly putty **quickly** from each side. Make observations. Repeat using the slime.