



Name: _____ Date: _____

PHYSICAL Properties **SLIME LAB!**

Purpose:

- To use different scientific lab equipment.
- *To learn how to read the meniscus of a liquid.*
- To learn how to use an electronic scale.
- To observe Physical Properties of matter.

Lab Equipment

From the Procedure above make a list of lab equipment you will need:

- | | |
|----------|-----------|
| 1. _____ | 6. _____ |
| 2. _____ | 7. _____ |
| 3. _____ | 8. _____ |
| 4. _____ | 9. _____ |
| 5. _____ | 10. _____ |

Procedure:

1. Fill a **test tube** 2/3 of the way full with water.
2. Locate the **petri dish with Borax**. Write three physical properties of Borax in the observation table.
3. Add two **scoopulas** of Borax powder to the **test tube**. This will make a solution.
4. Gently **stopper** the test tube and mix by inverting the test tube. Set the Borax solution in a **test tube rack** and wait until the powder has settled to the bottom of the test tube.

5. Obtain a **graduated cylinder** and measure out 20 mL of water. Add the 20 mL of water to the **glue cup**.
6. Stir with the glue / water mixture with a **stir stick**.
7. *Add a 2-3 drops of food coloring to the water glue mixture stir until mixed.*
8. Write 3 qualitative physical properties for the water/ glue mixture in the observation table.
9. Now the fun part!!! Add the liquid portion of the borax solution you made earlier to the glue cup and stir well. Watch the slime form!
10. After the slime forms, let it sit for about 30 seconds and then pull it off the stick and play with it!
11. After the slime forms, get a piece of paper towel and bring your slime over to the **electronic balance (scale)** to get weighed.
12. Record Observations for the Slime Mixture in your observation tables

Observations: Physical Properties

Substance	3 Physical Properties
Borax	
Glue and water Mixture	
Slime	Mass: _____

****PLACE YOUR SLIME IN A ZIPLOCK BAG. TAKE YOUR SLIME TO YOUR LOCKER UNTIL THE END OF THE DAY. ****

Analysis questions: Answer in full sentences.

1. Compared to water does the glue/water mixture have a high or low viscosity? Explain.

2. In procedure 3 you made a borax solution. What property is observed when some of the borax dissolved in the water? Is this a physical or chemical property?

3. Can the slime be reverted back to glue, water and borax powder?
