

Massing Lab

Name: _____ Date: _____ Period: _____

Part A: Find and calculate the volume of a wooden block. Remember to label units.

1. Length	_____	}	Volume _____
2. Height	_____		
3. Width	_____		

Part B: Use the different pennies at your lab station and take the mass of each one. Record to the hundredths place (0.01).

Penny 1: _____ Penny 2: _____ Penny 3: _____ Penny 4: _____

Now add (+) the masses of all the pennies up the total for the 4 are: _____

Put the 4 pennies on the balance and take the mass, the mass is: _____

Does the mass match what you added up? Yes or No

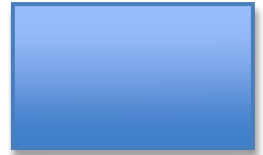
Why? _____

Part C: If you wanted to find the mass of 10 cc (mL) of water, how could you do it? Below explain how you would do this, in a step-by-step process. Then, perform your lab and answer the question: What is the mass of 10 cc of H₂O (water)?

Part D: Record temperature of water with ice and graph data.

1. Fill a 250 mL plastic beaker $\frac{3}{4}$ way full with room temperature water.
2. Record temperature of water.
3. Fill beaker completely full with ice (top it off).
4. Record temperature of ice water every 30 sec. for 5 min.
5. Graph time/temp data of the ice water. Follow 5 commandments of graphing.

After you are done, check with your teacher, then you can do the slime lab!



Slime Lab: READ THE DIRECTIONS CAREFULLY!!!!

Directions:

1. Get a plastic beaker.
2. Measure out 100 mL of HOT water in a graduated cylinder, pour into paper cup.
3. Add 2 drops of your favorite food coloring to the water. Mix.
4. Mass out 0.7 g of Guar Gum using a massing paper and a scoopula.
5. Pour guar gum into paper cup with water, mix for 1 minute.
6. Measure 5 mL of sodium borate solution in a 10 mL graduated cylinder.
7. Pour the 5 mL into water and guar gum, mix well.
8. You should have slime now.
9. Get a bag from you teacher so you can take it home.
10. If this did not work, you didn't measure or read the instructions correctly. You only get one (1) chance.