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| Name: | Class: | Date: |

Requirements for Your Mass and Volume Experiment:

* State the Question
* List your Materials
* Create and fill out a Data table for your results (Use the Data Table shown at the top of page 105 – Don’t forget to give it a title!)
* Answer the following Analyze and Apply and questions:
1. You used the displacement of water to measure the volumes of irregular solids.
2. Explain why “displacement of water” is an appropriate name for this method
3. Why is this method an example of indirect measurement?
4. Describe one everyday situation in which the measuring of mass or volume is important, (provide one example for each).
5. Imagine you are given a sample of molding clay, string, water, and a graduated cylinder. How could you use these materials to prove that you can change the shape of the clay without changing the volume of the clay?
6. Why did you slide each object into the graduated cylinder rather than dropping it in? Would your results have changed if you had not slid all the objects into the cylinder in the same way? Would you have still obtained fair measurements? Explain your answer.

Don’t forget to include all 4 sections in your report! (Please label each section with a heading – you can use the underlined words).

Don’t forget to give your write-up a title!

You will be randomly assigned into groups of 4 where you will work in pairs

(You can choose your partner from your group or use the colour of your card, your choice)

Pair A: Find the volume of each of your items (Switch measurement

Pair B: Find the mass of each of your items types after some time)

Since you'll be using the same items, it would be a good idea to compare findings with the other pair :D

Pair A - Grab all the materials your group is going to measure

Pair B - CAREFULLY grab the balance, graduated cylinders, pipettes, and water (in a beaker)

Pair A - Put away the materials your group measured and wipe the table

Pair B - CAREFULLY put away the balance, graduated cylinders, pipettes, water, and beaker