NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lab Group Station\_\_\_\_\_\_\_\_\_\_

Partner(s) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Procedure

1. Find the MASS in GRAMS of a graduated cylinder
2. Add 10 mL of a liquid and find the new mass
3. The difference is the liquid mass in grams
4. Now take the MASS divided by the 10mL
5. This is your DENSITY
6. Fill in the table
7. DO NOT EMPTY the cylinder. Set it in the CENTER of your desk.
8. Repeat process with a NEW liquid and a New Graduated Cylinder.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Liquid 10 mL | Empty cylinder mass | Full Cylinder mass | Mass of liquid Full-empty= | Density in g/mL |
| RED HOT Water |  |  |  |  |
| Yellow COLD Sugar water |  |  |  |  |
| Warm Vegetable oil |  |  |  |  |
| Cold Syrup |  |  |  |  |
| Dish Soap |  |  |  |  |

1. List the liquids from the MOST dense to the least DENSE below Most\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_
2. NOW. CAREFULLY POUR YOUR MOST DENSE INTO THE GRADUATED TUBE I TELL YOU USE, then repeat until the least DENSE goes in LAST
3. Show your results to Mr. Yoast