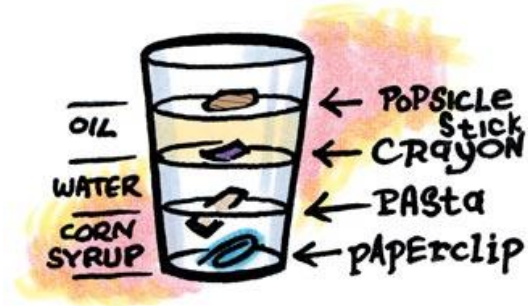


Study Guide for Density Test



1. Vocabulary to know:

- Volume
- Mass
- Density
- Graduated Cylinder
- Meniscus
- Density
- Displacement

2. Know the correct way to use, read, and clean a graduated cylinder.

3. What tools are used to find mass, volume (solid and liquid) and density.

4. Know how to find solid volume, liquid volume, and volume of an irregular solid object.

5. Know the Archimedes story and how to find volume by displacement

6. Know the units for solid, liquid, and volume by displacement

7. Know how to find the density, volume or mass of an object given the other two measures - for example, if a rock had a mass of 40 g and a volume of 20 mL, what is its density? $D = m/v$ (Answer is 2 g/mL) - Density triangle will help!

8. Units of:

Mass - grams

Volume - m^3 , liters (and bigger or smaller units of these metric measures)

Density - g/mL or g/cm^3

9. How to tell which has a greater density based on how liquids layer or whether an object floats or sinks.

10. Be able to describe the difference in the atoms/molecules of a dense object vs. a less dense object.