![C:\Documents and Settings\ginaotte\Local Settings\Temporary Internet Files\Content.IE5\G2X12HPM\MC900233739[1].wmf]()Calculating Density

**Density = mass**  OR **D= m**

  **Volume**  **V**

\*\*Units for density of liquids and gasses are usually grams per mililitre **(g/mL)**

\*\*Units for the density of solids are usually grams per cubic centimeter **(g/**$cm^{3}$**)**

\*\*Just so you aren’t confused…the grams (g) is the mass, the mL or $cm^{3}$ is the volume

Use the density formula to try to solve the following problems, make sure you **SHOW YOUR WORK**:

1) Calculate the density of a material that has a mass of 52.5g and a volume of 13.5$cm^{3}$.

2) A student finds a rock on the way to school.  In the laboratory he determines that the volume of the rock is 22.7 cm3, and the mass in 39.9g.   What is the density of the rock?

3) If 30.9g of a liquid occupy a space of 35.0 cm3, what is the density of the liquid?