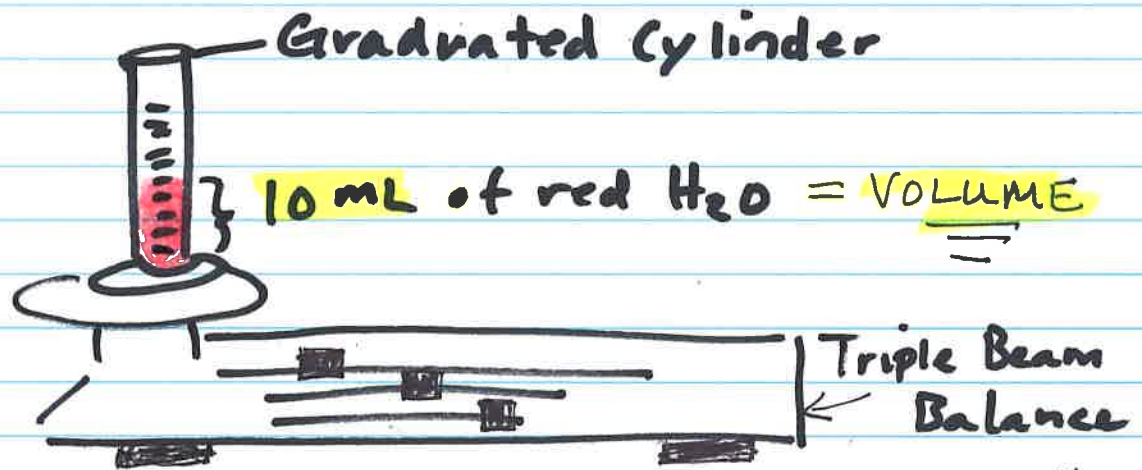


# Density Notes Continued...



Mass of graduated cylinder with H<sub>2</sub>O = 40 grams  
Mass of the graduated cylinder = 30 grams

To find the mass of the 10 mL of water:  
Subtract mass of G.C. from  
mass of G.C and H<sub>2</sub>O

$$\begin{array}{r} 40.0 \text{ grams} \\ - 30.0 \text{ grams} \\ \hline \end{array}$$

$$10.0 \text{ grams} = \underline{\underline{\text{mass}} \text{ of H}_2\text{O}}$$

To find the density of the water:

$$D = \frac{m}{V} \quad D = \frac{10 \text{ grams}}{10 \text{ mL}} \quad D = 1.0 \text{ g/mL}$$