Density &

**% Error**

Density: is the amount of mass per unit of volume that is in matter. (D = m/v).

**Density can also be calculated through the use of a graph.**

 **Example:**

 **60**

**Mass**

**(g)**

 **10**

 **5 30**

 **Volume (ml)**

**The density can be found by solving the slope of the line on the graph.**

**Slope = Rise / Run = 60g – 10 g =**

 **30 ml – 5 ml**

**50 g = 2 g/ml**

**25 ml**

**% Error: is used to measure the accuracy of your experimental result by comparing it to the accepted value.**

**% error = Actual Value – Your result x 100**

#  Actual Value