

Density

At the foundation of all skills in the lab is the necessity to complete procedures properly and well. A most fundamental skill is the calculation of density. To figure density, two quantities must be known: mass and volume. This lab will combine the skills of measuring mass and volume as well as the employing the mathematical formula for density.

The Problem: _____

The Hypothesis: _____

Materials:

Digital scale
Items to measure

Graduated cylinder

Ruler

Procedures:

1. Measure the mass of an object by using the digital scale.
2. Measure the volume of an object.
3. Divide the Mass by the Volume to calculate density.

Additional Information:

You will use a couple of different methods to calculate the volume of an object. For regularly shaped objects, volume can be measured with a ruler. For irregularly shaped objects, volume can be calculated using water and a graduated cylinder.

Assignment for next time:

Write a brief lab report for the activities you did in the lab today. Be sure to include a table of data which details your results.