

# Density of Liquids

**Materials:** Triple beam balance, graduated cylinder, water, corn syrup, corn oil, rubbing alcohol, glycerin, calculator

**Procedure:**

1. Place each graduated cylinder on the balance. Record the mass (g) in your data table.
2. Pour 50.0mL of water into the graduated cylinder.
3. Find the mass of the cylinder and the water together - Record the mass (g) in your data table.
4. Find the mass of the liquid by subtracting the 3rd column from the 2nd column.
5. Record the volume of the water in your data table.

**Density = mass/volume**

6. Calculate the density by dividing the mass (g) of the solid by the volume (mL).
7. Rank your liquids from highest density (biggest number) to lowest density (smallest number).