

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

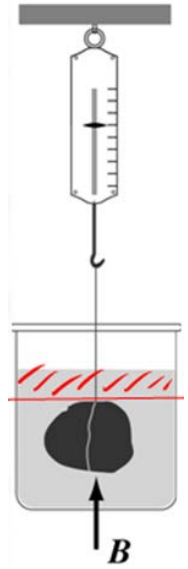
## Buoyancy Lab

**Objective:** To determine the density of a fluid

**Materials:** Force probe or spring scale, beaker, varies masses of a known substance, caliper

Record measurements in the data table below.

Object	Volume (m <sup>3</sup> )	Dry Weight (N)	Submerged Weight (N)	Buoyant Force (N)
1				
2				
3				
4				
5				



**Plot a graph** of Buoyant force versus Volume and use the slope in your determination of the fluid density.