

A Practice Laboratory Report

Materials: 2 test tubes (one large and one small), 10 mL graduated cylinder, bucket, water

Procedures: Fill the large test tube with water. Add 2 mL. of water to the small test tube. Working over the bucket, place the smaller test tube into the larger test tube and allow it to sink until it stops by itself. Invert the large test tube. Record your observations. Leave your equipment exactly as you found it. If you have difficulty removing the small test tube from the larger one, try using a pencil to apply pressure to the small tube and slide it out.

Observations:

- ()1. What happened to the small test tube when the large test tube was inverted?
- ()2. Did anything leave the large test tube when it was turned upside down?

Follow-up:

- ()1. In terms of forces, what determines the point at which the small test tube stops sinking?
- ()2. Explain what happens when the test tubes are inverted. Include labeled diagrams with your explanation.
- ()3. Do you think something was trying to enter the large test tube? If so what?

Lab Report:

Write a laboratory report describing the following experiment. Be certain to include the steps of the scientific method used in your experiment.