

Activity

Measurement and the Sciences

Measuring Liquid Volume With a Graduated Cylinder

Purpose

To develop skill in measuring with a graduated cylinder
To use the metric system in measuring volume

Materials

red, blue, and yellow food coloring	test tube stand
water	50-mL graduated cylinder
3 beakers	labels for test tubes
6 test tubes	

Procedure

1. Label each test tube A, B, C, D, E, or F.
2. Fill three beakers with water. Add a few drops of food coloring to each beaker so that you have one beaker of red water, one of blue water, and one of yellow water.
3. Into test tube A measure 19 mL of red water.
4. Into test tube C measure 18 mL of yellow water.
5. Into test tube E measure 18 mL of blue water.
6. From test tube C measure 4 mL and pour the 4 mL into test tube D.
7. From test tube E measure 7 mL and add it to test tube D. Mix.
8. From the beaker of blue water measure 4 mL and pour it into test tube F. Then from the beaker of red water measure 7 mL and add it to test tube F. Mix.
9. From test tube A measure 8 mL of water and pour it into test tube B. From test tube C measure 3 mL and add it to test tube B. Mix.