

Measuring Volume by Displacement of Water

Purpose

- Determine the volume of a sample of sand.

Materials

- (2) 50 mL graduated cylinders
- 10 mL of dry sand
- 10 mL of water
- 250 mL beaker

Procedure

1. Measure 10 mL of dry sand in one of the 50 mL graduated cylinders. Record the volume in the data table to the nearest 0.1 mL
2. Using the second 50 mL graduated cylinder, measure out 10 mL of water. Record the volume in the data table to the nearest 0.1 mL DO NOT FORGET TO READ THE BOTTOM OF THE MENISCUS!
3. Pour the sand into the graduated cylinder that contains the water. Record the volume to the nearest 0.1 mL

Data Table

	Volume of Dry Sand	Volume of Water	Volume of Sand + Water	Volume of Sand Alone	Volume of Air
Trial 1 (Your data)					
Trial 2 (Partner's Data)					
Trial 3 (Mr. Jenks Data)					

Observations

Make at least 3 observations about the experiment.

Calculations