



Density of Household Liquids

Teacher Instructions

Materials:

MATERIALS RECEIPT	
PRICES ARE APPROXIMATE	
Rubbing Alcohol	\$2.00
Milk	\$1.00
Vegetable Oil	\$1.50
Corn Syrup	\$2.00
Dish Soap	\$1.00
Water	N/A
Clear, skinny container	N/A
Penny/Coin	N/A
TOTAL	\$7.00

Procedure:

1. Provide students with a definition of density (a measure of compactness).
2. Instruct students to predict the density of ALL six liquids prior to conducting the demo.
3. Pour ~10mL ($\frac{1}{2}$ inch) of each liquid into the graduated cylinder, in the order of most dense to least dense [corn syrup \rightarrow milk \rightarrow dish soap \rightarrow water \rightarrow vegetable oil \rightarrow rubbing alcohol]
*add a couple drops of food coloring to the water and rubbing alcohol before pouring for cool visuals
4. Drop a penny (or other coin) at top of the graduated cylinder.
5. Instruct students to answer the discussion questions.