


Differing Densities

Students will learn about liquid densities and use their findings to relate to densities of different solids.

6th - 8th
Grade

Materials

-  Honey
-  Dish Soap
-  Whole Milk
-  Water
-  Vegetable Oil
-  Rubbing Alcohol
-  Tall Glass or Vase
-  Turkey Baster

Directions

1. Using a turkey baster, carefully pour the honey into the glass, being sure not to touch the sides.
2. Continue creating layers in the glass following the order of the list to the left, being careful they don't splash. (Tip: use food coloring for clear liquids)

Extend Your Learning

- Try finding small household items (dice, marble, bolt, etc.) to see if they sink or float in all layers.

 Want more layers? Click here!

<u>Liquid</u>	<u>Density (g/cm³)</u>
Honey	1.42
Dish Soap	1.06
Whole Milk	1.03
Water	1.00
Vegetable Oil	0.92
Rubbing Alcohol	0.79

