

LIQUID LAYERS

It is not only solid things that either float or sink in water. Different liquids also have different *densities*, which means that some are heavier than others. If a liquid does not mix with water, it is possible to find out if it is more or less *dense* than water.

Look up the word *dense* in the dictionary to gain a better understanding .

MATERIALS:

clear drinking glass

water

colored dish detergent

cooking oil

various objects to float, such as: a piece of candle, a cork, a slice of apple, a metal object, etc.

PROCEDURE:

1. Pour a little of each liquid carefully into the glass one after the other. (Pour the liquids over a spoon so they do not mix.)
2. Record your observations.
3. Try floating some objects on your liquid layers.
4. Make a chart to record your results.

QUESTIONS:

1. Which liquid has the highest density?
2. Do any of your items float? Which layers do they float on?