**18. Density of Water**

Learning objectives:

* Learn about the definition of density and how to calculate it
* Through experiments, compare the densities of water and other objects

Density of water

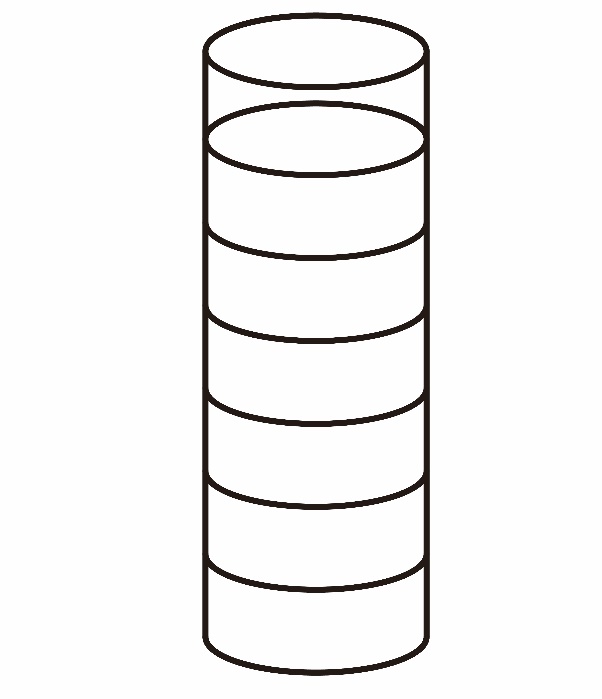
P5: - Natural Resources: Water

An object with a density ( higher / lower ) than that of water will sink in water; whereas an object with a ( higher / lower) density than that of water will float on the surface of water. The density of water is the ( highest / lowest ) at 4°C, which is 1   
 (\*fill in the unit). When the temperature of water is above 4°C, water will ( expand / contract ) as the temperature increases, and the other way round when the temperature is below 4°C.

Experiment

1. Observe the order of liquids in the container and colour the following diagram.

|  |  |  |
| --- | --- | --- |
| Blue: Water | Purple: Whole milk | Yellow: Honey |
| Orange: Vegetable oil | Red: Rubbing alcohol | Green: Detergent |



1. According to the position of the following objects, fill in the boxes with the correct letters.

1

|  |  |  |  |
| --- | --- | --- | --- |
| A. the Die | B. Screw | C. Plastic bottle cap | D. Table tennis ball |