

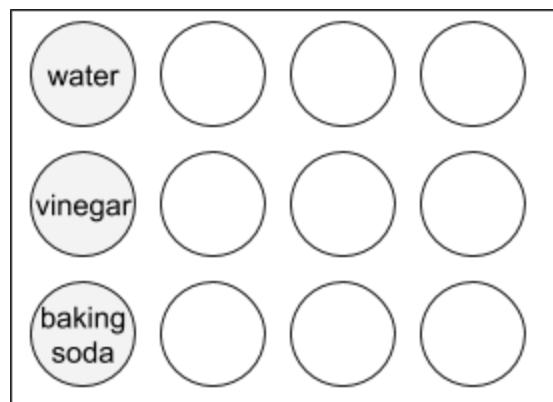
## Procedure:

### Physical Properties of Liquids:

**Part 1:** Place 10-15 drops of each liquid into a microwell. Describe a colour of each liquid.

**Part 2:** Describe an odour of each liquid using wafting technique: gently move the air from above the liquid towards your nose using the movement of your hand. Do not place your nose directly above the liquid.

**Part 3:** Use the conductivity meter to check for the conductivity of each liquid. Wash the tip of the conductivity meter after testing each liquid.



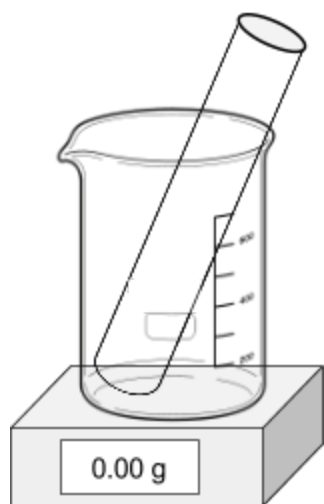
**Part 4:** Determine the density of each liquid:

*Step 1:* Place a test tube in a beaker and place them on a balance. Tare the balance.

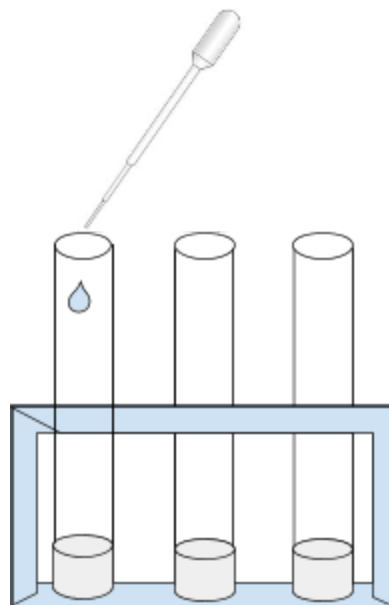
*Step 2:* Transfer 1.0 mL of water using a 1.0 mL pipette into the test tube. Record the mass.

*Step 3:* Repeat Steps 1 and 2 for the other two liquids.

*Step 4:* Calculate the density of each liquid.



**Step 4**



**Step 5**

**Part 5:** Use the test tubes from Part 3 to check which liquids are miscible (mix to make a homogeneous solution) with water.

*Step 1:* Add 1 mL of water to each test tube using a dropper.

*Step 2:* Hold the test tube at the top and gently tap the bottom of the test tube.

*Step 3:* Determine if both liquids mix to form a homogeneous solution or they separate to form two layers.