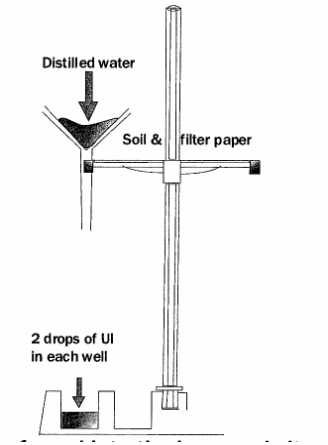
Testing soil pH

Each type of crop likes to grow in soil within a specific range of pH. To maximise the crop yield, farmers regularly test their soils for pH so they can grow the right crop for the soil conditions.

In this experiment you will be testing 4 soils for their pH.

Method

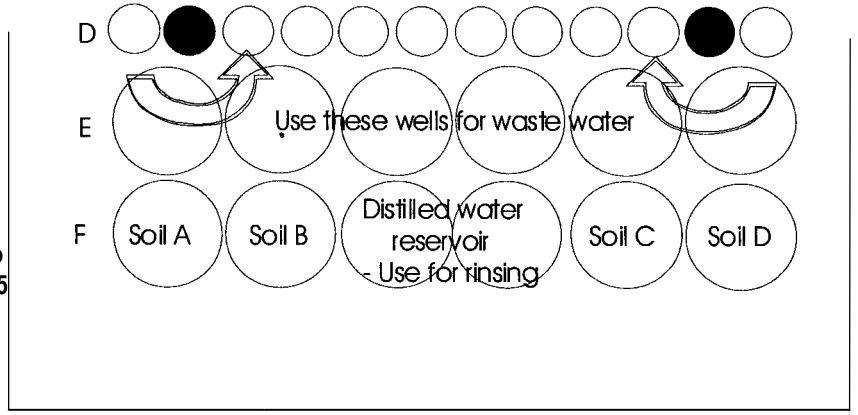
1. **Place your Comboplate® over the diagram on the right so the large wells line up.**
2. **Set your equipment up as shown in the diagram below, placing your microstand in D2.**



3. **Clip the microfunnel into the boss and site over F1.**
4. **Put 2 drops of universal indicator into well Fl.**
5. **Fold a piece of filter paper and place it into the funnel.**
6. **Put a small amount of soil A into the filter paper and add a small amount of distilled water**

2 drops of UI to wells F1,F2, F5

& F6



7. **Rinse the equipment by turning the stand so that the funnel is over E3**
8. **Using distilled water, wash out the inside of the funnel.**
9. **Repeat steps 4 to 8 for the other soils using wells F2, F5 and F6.**
10. **Compare the colours of the solutions inside the wells within the pH indicator chart to help you decide the pH of each soil.**