

Mandatory experiment 24.2**To investigate the pH of a variety of materials**

Apparatus required: rack of test-tubes; universal indicator paper 1–14 and various narrow-range indicator papers

Method

1. Use a wide-range universal indicator paper (1–14) to find the approximate pH value of each solution. The substances tested may be taken from the above list of chemicals. If the substance is a solid, dissolve it in water before you test it.
2. Choose a suitable narrow-range paper and measure each pH value more accurately. This is done by matching the colour obtained against the colour chart that comes with the paper.
3. Summarise your results in the form of a number line, Fig. 24.10. Show the pH of the substance you have tested on the number line.

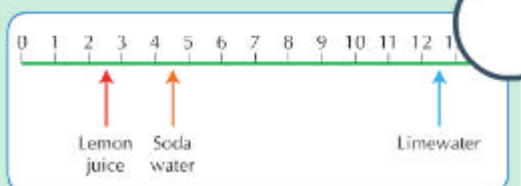


Fig. 24.10 Displaying the results of your investigation.