

# Evidence 2: the sciencey details

You can work out if a solution is acidic or alkaline by using an indicator. An indicator will have a different colour when it is in acidic or alkaline solution. Litmus is a well-known indicator that is red in acids and blue in alkalis.

It is also useful to know how acidic or alkaline a solution is – just as we are doing with the fruit juice. Most fruit juices are acidic, but how acidic they are varies.

pH is a measure of the hydrogen ion concentration of a solution. Solutions with a high concentration of hydrogen ions have a low pH and solutions with a low concentration of hydrogen ions have a high pH.

**Litmus Paper**

