

QUICK LAB

● What Is the pH of Some Common Substances?

You can use pH indicator paper to determine the pH of various solutions. The pH indicator paper changes color when it is exposed to a solution. The change in color indicates how acidic or basic the solution is.

Materials

paper, pencil, wide-range pH paper, three different solutions, beaker or small jar, water

Procedure

1. Make a data table with three columns and the following headings: *Solution*, *Predicted pH*, and *Measured pH*. Make a row for each solution to be tested.
2. Predict the pH (acid or base) of each solution, and record your predictions in your data table.
3. Test each solution with pH paper, and record the results in the appropriate row in your data table.

Analysis

1. Summarize your findings in two sentences.
2. Determine whether the predictions that you made were correct. Explain any differences between your predictions and your results.
3. Compare your results with those of the rest of the class. Explain any differences.
4. List the steps of the scientific method that you followed in doing this activity.