

Determining the pH of Common Substances

Background: 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. Use the data table below.
2. Predict the pH (acid or base) of each solution, and record your predictions in the data table.
3. Test each solution with pH paper, and record the results in the appropriate row in the data table.

Data

Analysis

1. Summarize your findings in two sentences.
1. Determine whether the predictions that you made were correct. Explain any differences between your predictions and your results.
2. Compare your results with those of the rest of the class. Explain any differences.

3. List the steps of scientific methods that you followed while doing this activity.