

Test Tubes Use a test tube to study small samples of solids, liquids, and gases.

TIP

Use a test-tube rack to keep your test tubes upright and organized.

SAFETY

Since liquids can spill or splash from test tubes, use small amounts of liquids and keep the mouth of the test tube pointed away from you and other people.

SAFETY

Use a test-tube holder if you are heating the substance in a test tube or if the substance in the test tube is dangerous to touch.

SAFETY

Do not put a stopper in a test tube if you are heating it.



pH Hydrion Paper Use pH hydrion paper to indicate the acidity or alkalinity of a liquid substance.

Using pH Hydrion Paper

1. Place the edge of a 5-cm piece of pH Hydrion paper into the substance.
2. Observe the color change of the pH paper.
3. Remove the paper from the substance. Try to match the resulting color to the colors listed on the outside of the pH hydrion paper package.
4. The color will correlate with a pH number. This number is the pH value of the substance.
5. If the number is less than 7, the substance is acidic. If the number is more than 7, the substance is basic.

SAFETY

Be sure to wear gloves, goggles, and a lab apron when testing the pH of a substance. Highly acidic and highly basic substances can irritate eyes, burn skin, and damage your clothing.

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