Acids, Bases, and pH

Acids are substances that release hydrogen ions (H■) in solution, while bases release hydroxide ions (OH■). The pH scale measures acidity or alkalinity from 0 (strong acid) to 14 (strong base), with 7 being neutral. Common acids include hydrochloric acid and citric acid; common bases include sodium hydroxide and ammonia. Indicators like litmus paper change color based on pH. Neutralization reactions occur when acids and bases mix to form water and salt. Understanding acids and bases is essential in chem...

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