

HYDROXIDE

Meaning: Hydroxide refers to a negatively charged ion (OH⁻) consisting of one oxygen atom and one hydrogen atom, often involved in chemical reactions and used in various industrial applications.

1. The hydroxide ion is a crucial component in many chemical reactions.
2. Sodium hydroxide is commonly used in the production of soap and detergents.
3. In a basic solution, hydroxide ions increase the pH of the solution significantly.
4. Hydroxide ions can react with acids to form water and salt in a neutralization reaction.
5. The presence of hydroxide in a solution can affect the solubility of various compounds.

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