

JAYAKRISHNAN EDUTIPS

DAILY STATIC GK QUIZ

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What is an acid?

- Acids are substances that donate hydrogen ions (H⁺)in aqueous solutions.
- They typically taste sour and turn blue litmus paper red.
- Examples include hydrochloric acid (HCl) and citric acid.
- **▶** What is a base?
- Bases are substances that accept hydrogen ions (H⁺) or release hydroxide ions (OH⁻) in aqueous solutions.
- They often taste bitter, feel slippery, and turn red litmus paper blue.
- Examples include sodium hydroxide (NaOH) ammonia (NH3).
- ➤ What is the pH scale?
- The pH scale measures the acidity or basicity of a solution, ranging from 0 to 14.
- A pH below 7 indicates an acid, a pH of 7 is neutral, and a pH above 7 indicates a base.
- The scale is logarithmic, meaning each unit change represents a tenfold change in H+ concentration.
- How do acids and bases neutralize each other?
- When mixed, acids and bases react to form water and a salt in a neutralization reaction.
- The general reaction is: Acid+Base→Salt+Water







