

## main points

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- Acids and bases have specific properties including taste and reactivity.
- Acid and base concentration is reflected in the pH scale.
- Every unit change in pH reflects a 10-fold change in acid and base concentration.
- There are many indicators of acid and base strength, including the change of color in the flowers or fruits of some plants.
- Hydrochloric acid in the human stomach is a critical component in digestion.
- Neutralization occurs when sufficient base is added to an acid to stop its proton-donating capability. Adding sufficient acid to a base will stop its hydroxide-donating ability (the base will be neutralized).