

Basic Chemistry Tutorials & Visuals

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Welcome to the Basic Chemistry learning hub!

Explore videos, animations, and visuals for core chemistry topics to boost your understanding.

1. Stoichiometry

What is Stoichiometry?

Stoichiometry deals with the quantitative relationships between reactants and products in chemical reactions.

Video

[Stoichiometry Video on YouTube](#)

▮ Stoichiometry Animation

[Click here to view the animation](#)

2. Chemical Equilibrium

Chemical Equilibrium occurs when the rates of forward and reverse reactions are equal, resulting in stable concentrations of reactants and products.

Video

[Chemical Equilibrium Video on YouTube](#)

Interactive Simulation

You can try the [PhET Chemical Equilibrium Simulation](#)

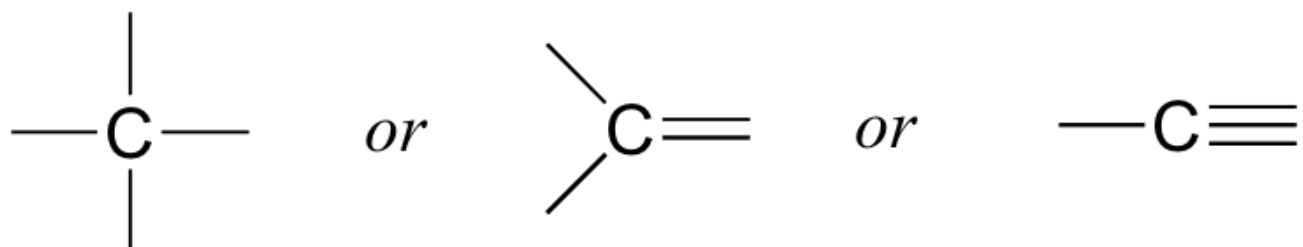
3. Reaction Kinetics

Reaction Kinetics studies the speed or rate of chemical reactions and the factors affecting them.

Video

[Reaction Kinetics Video on YouTube](#)

Reaction Rate Graph



*carbon usually
has 4 bonds*

4. Acids and Bases

Acids and bases are substances that donate or accept protons (H^+ ions), respectively, and are fundamental to many chemical processes.

Video

[Acids and Bases Video on YouTube](#)

pH Scale Chart



pH Scale Chart