

CLASS 11

CHEMISTRY

REVISION NOTES

Class 11 Chemistry Chapter 9 Hydrocarbons – Revision Notes

Quick revision notes for Class 11 Chemistry Chapter 9 (Hydrocarbons). These Class 11 Chemistry Chapter 9 notes are ideal for quick revision just before exams.

Contents

Classification

Key Reactions

Directive Effects

One-Line Summary

Class 11 Chemistry Chapter 9 – Solutions and Important Questions

Quick revision notes for Class 11 Chemistry Chapter 9 (Hydrocarbons). These Class 11 Chemistry Chapter 9 notes are ideal for quick revision just before exams.

Classification

Alkanes C_nH_{2n+2} (saturated); Alkenes C_nH_{2n} ; Alkynes C_nH_{2n-2} ; Arenes (benzene ring).

Key Reactions

Alkanes: substitution (free radical), Wurtz reaction.

Alkenes/Alkynes: electrophilic addition; Markovnikov's rule.

Arenes: electrophilic substitution (nitration, halogenation, sulphonation, Friedel-Crafts).

Directive Effects

Ortho/para-directing: $-OH$, $-NH_2$, $-CH_3$ (activating).

Meta-directing: $-NO_2$, $-COOH$ (deactivating).

One-Line Summary

Hydrocarbons range from saturated alkanes to unsaturated alkenes/alkynes and aromatic arenes, each with characteristic reaction patterns (substitution, addition, or aromatic substitution) governed by their bonding and structure.

Class 11 Chemistry Chapter 9 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Chemistry Chapter 9 Solutions](#) and [Class 11 Chemistry Chapter 9 Extra Questions](#).

See also: [Chapter 1](#) | [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#) | [Chapter 7](#) | [Chapter 8](#) | [Chapter 9](#)

Practice more: [Chapter 1](#) | [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#) | [Chapter 7](#) | [Chapter 8](#) | [Chapter 9](#)

Quick revision: [Chapter 1](#) | [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#) | [Chapter 6](#) | [Chapter 7](#) | [Chapter 8](#)

and more. Visit ncertbooks.org for the latest chapters as they are published.