Chemistry Study Template

Title

Write the overall topic (e.g., “Organic Chemistry”)

Title:

Notes

Summarise key ideas:

- properties
- patterns
- trends

Use correct terminology

Topic

Notes

Topic

State the specific concept (e.g., Alkenes – Structure)

Name | Formula | Structure

Name

- Write the correct chemical name
- Use IUPAC naming where required

Structure

Draw and label the structure.

Show:

- bonds clearly (displayed/skeletal)
- lone pairs/charges
- functional groups

Formula

Write relevant formulas:

- Molecular, structural, or general formula
- Define symbols if needed

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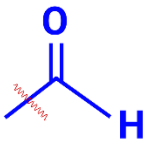
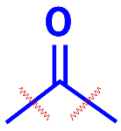
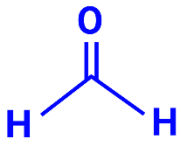
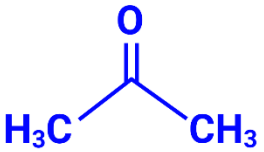
Title: Aldehydes and ketones

Nomenclature of Aldehydes and Ketones - IUPAC Naming Rules	• Aldehyde (-al): terminal C=O → always C1 • Ketone (-one): internal C=O → position must be numbered • Locant: number showing functional group position • Naming: follow functional group precedence rules • Exceptions: some common names retained (e.g. formaldehyde, benzaldehyde)

Name	Formula	Structure
Aldehyde group	R-CHO	
Carbonyl group	R-CO-R	
Formaldehyde (methanal)	CH_2O	
Acetone (propanone)	CH_3OCH_3	

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