

CAIE Chemistry A-level

32: Hydroxy Compounds

(A-level only)

Definitions

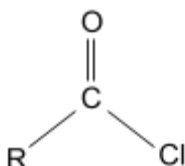
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Definitions and Concepts for CAIE Chemistry A-level Hydroxy Compounds

Acyl chloride: A compound containing the functional group COCl . Acyl chlorides are a derivative of carboxylic acids, but the $-\text{OH}$ is substituted by $-\text{Cl}$.



Bromination: A reaction that involves the addition of a bromine atom.

Diazonium salt: Compounds that contain the functional group $\text{R}-\text{N}_2^+\text{X}^-$.

Directing effects: Substituents on a benzene ring can donate or withdraw electron density from the ring, this can change where on the benzene ring a further substitution occurs.

Ester: A compound containing the $\text{R}-\text{COO}-\text{R}'$ functional group (where R and R' are alkyl groups).

Halogenation: A reaction that involves the addition of a halogen.

Nitration: A reaction that involves the addition of a nitro group.

Phenol: Phenol is an aromatic ring with an OH group attached.

