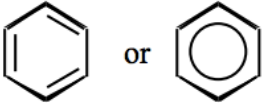


Organic Chemistry Summary

Group	Structure (R represents H or Carbon chain)	Nomenclature
alkanes	$\begin{array}{c} R & R \\ & \\ H-C & -C-H \\ & \\ R & R \end{array}$	-ane
alkenes	$\begin{array}{c} R & R \\ & \backslash / \\ & C=C \\ & / \backslash \\ R & R \end{array}$	-ene
alkynes	$-C \equiv C-$	-yne
aromatics		-benzene phenyl-
alkyl halides	$\begin{array}{cc} -Cl & -I \\ -Br & -F \end{array}$	chloro- iodo- bromo- fluoro-
alcohols	$R-OH$	-ol
aldehydes	$\begin{array}{c} O \\ \\ R-C-H \end{array}$	-al
ketones	$\begin{array}{c} O \\ \\ R-C-R' \end{array}$	-one
ethers	$R-O-R'$	small OXY big
amines	$R-N \begin{array}{l} / \\ \backslash \end{array}$	amino- nitro- (NH ₂) (NO ₂)
amides	$\begin{array}{c} O \\ \\ R-C-NH_2 \end{array}$	-amide
carboxylic acids	$\begin{array}{c} O \\ \\ R-C-O-H \end{array}$	-oic acid
esters	$\begin{array}{c} O \\ \\ R-C-O-R' \end{array}$	R'yl R-oate (alcohol) (acid)