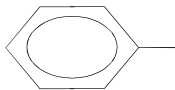



CLASSIFICAZIONE e NOMENCLATURA
dei PRINCIPALI COMPOSTI ORGANICI

		STRUTTURA o GRUPPO FUNZIONALE	DESINENZA (nomenclatura)	ESEMPI
IDROCARBURI	ALCANI	R - H	- ANO	CH ₃ -CH ₂ -CH ₃ <i>propano</i>
	ALCHENI	$\begin{array}{c} \diagup \\ C = C \\ \diagdown \end{array}$	- ENE	CH ₂ =CH-CH ₃ <i>propene</i>
	ALCHINI	-C ≡ C-	- INO	CH≡C-CH ₃ <i>propino</i>
	ARENI (idrocarburi aromatici)	 C_6H_5 <i>fenile</i>	(... benzene)	 (C ₆ H ₆) <i>benzene</i>
RADICALI ALCHILICI	(R—)		- ILE	CH ₃ -CH ₂ - <i>etile</i>
ALOGENO - DERIVATI		R-X (X= F, Cl, Br, I)	(alogeno)	CH ₃ -CH ₂ -CH ₂ -Cl <i>1-cloropropano</i>
COMPOSTI OSSIGENATI	ALCOLI	R-OH	- OLO	CH ₃ -CH ₂ -OH <i>etanolo</i>
	ETERI	R-O-R	(- etere)	CH ₃ -O-CH ₃ <i>dimetiletere</i>
	ALDEIDI	$\begin{array}{c} R \\ \diagdown \\ C = O \\ \diagup \\ H \end{array}$	- ALE	CH ₃ -CH ₂ -CHO <i>propanale</i>
	CHETONI	$\begin{array}{c} R \\ \diagdown \\ C = O \\ \diagup \\ R' \end{array}$	- ONE	CH ₃ -CH ₂ - $\begin{array}{c} C \\ \\ O \end{array}$ -CH ₂ -CH ₃ <i>dietilchetone (o pentan-3-one)</i>
	ACIDI	$\begin{array}{c} O \\ // \\ R-C \\ \backslash \\ O-H \end{array}$	- OICO	CH ₃ -CH ₂ -COOH <i>acido propanoico</i>
	ESTERI	$\begin{array}{c} O \\ // \\ R-C \\ \backslash \\ O-R' \end{array}$	- OATO	$\begin{array}{c} O \\ // \\ CH_3-C \\ \backslash \\ O-CH_2-CH_3 \end{array}$ <i>acetato di etile (o etanoato di etile)</i>
COMPOSTI AZOTATI	AMMINE	R-NH ₂ $\begin{array}{c} R' \\ \diagup \\ R-N \\ \diagdown \\ R'' \end{array}$ R-NH-R'	(- ammina)	$\begin{array}{c} CH_3 \\ \diagup \\ N-H \\ \diagdown \\ CH_3 \end{array}$ <i>dimetilammina</i>
IMPORTANTI COMPOSTI POLI-FUNZIONALI	ZUCCHERI (carboidrati)	...C=O e ...C-OH		$\begin{array}{cccccccc} CH_2 & -C- & CH & -CH & -CH & -CH_2 \\ & & & & & \\ OH & O & OH & OH & OH & OH \end{array}$ <i>fruttosio</i>
	AMMINO-ACIDI	-NH ₂ e -COOH		$\begin{array}{c} CH_2-CH-COOH \\ \\ NH_2 \end{array}$ <i>alanina</i>