

Homologous Series	Prefix or Suffix	Functional Group	Example
alkanes	--ane	$\begin{array}{c} \diagup \\ \text{C} - \text{H} \\ \diagdown \end{array}$	ethane $\text{C}_2\text{H}_6$
alkenes	--ene	$\begin{array}{c} \diagup \quad \diagdown \\ \text{C} = \text{C} \\ \diagdown \quad \diagup \end{array}$	ethene $\text{C}_2\text{H}_4$
haloalkanes	halo--	-Cl -Br -I	chloroethane $\text{CH}_3\text{CH}_2\text{Cl}$
alcohols	--ol hydroxyl--	-OH	ethanol or hydroxyethane $\text{CH}_3\text{CH}_2\text{OH}$
ethers	alkoxy--	-OR	methoxymethane $\text{CH}_3\text{OCH}_3$
aldehydes	--al	$\begin{array}{c} \text{O} \\ \parallel \\ -\text{C} \\ \diagdown \\ \text{H} \end{array}$	ethanal $\text{CH}_3\text{CHO}$
ketones	--one	$\begin{array}{c} \diagup \quad \diagdown \\ \text{C} = \text{O} \end{array}$	propanone $\text{CH}_3\text{COCH}_3$
carboxylic acid	--oic acid	$\begin{array}{c} \text{O} \\ \parallel \\ -\text{C} \\ \diagdown \\ \text{H} \end{array}$	ethanoic acid $\text{CH}_3\text{COOH}$
amines	amino-- --amine	-NH	aminomethane methylamine $\text{CH}_3\text{NH}_2$
amides	--amide	$\begin{array}{c} \text{O} \\ \parallel \\ -\text{C} \\ \diagdown \\ \text{NH} \end{array}$	ethanamide $\text{CH}_3\text{CONH}_2$
nitrils	--nitrile	$-\text{C}\equiv\text{N}$	propanenitrile $\text{CH}_3\text{CH}_2\text{CN}$