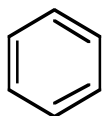
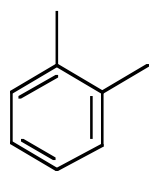


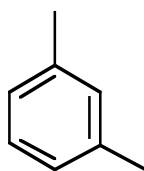
Number of carbon atoms	prefix	Alkyl group	Alkanes			Alkenes	Alkynes
			Name (prefix + ane)	Molecular formula (C_nH_{2n+2})	Condensed structural formula	(C_nH_{2n}) prefix + ene	(C_nH_{2n-2}) prefix + yne
1	meth-	methyl (-CH ₃)	Methane	CH ₄	CH ₄		
2	eth-	ethyl (-C ₂ H ₅)	Ethane	C ₂ H ₆	CH ₃ CH ₃	Ethene CH ₂ CH ₂	Ethyne CHCH
3	prop-	propyl (-C ₃ H ₇)	Propane	C ₃ H ₈	CH ₃ CH ₂ CH ₃	Propene CH ₂ CHCH ₃	Propyne CHCCH ₃
4	but-	butyl (-C ₄ H ₉)	Butane	C ₄ H ₁₀	CH ₃ CH ₂ CH ₂ CH ₃	Butene CH ₂ CHCH ₂ CH ₃	Butyne CHCCH ₂ CH ₃
5	pent-	pentyl (-C ₅ H ₁₁)	Pentane			Pentene CH ₂ CHCH ₂ CH ₂ CH ₃	Pentyne CHCCH ₂ CH ₂ CH ₃
6	hex-		Hexane				
7	hept-		Heptane	C ₇ H ₁₆			
8	oct-		Octane				
9	non-		Nonane				
10	dec-		decane				



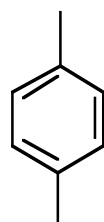
Benzene



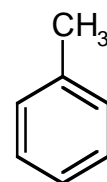
(ortho) o-



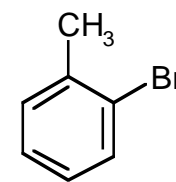
(meta) m-



(para) p-



toluene



o-Bromotoluene

Groups

$R-F$	Alkyl halide	CH_3Cl	chloromethane	CH_3CH_2Br	bromoethane	
$R-OH$	Alcohol	CH_3OH	methanol	CH_3CH_2OH	ethanol	
$R-\overset{\overset{O}{\parallel}}{C}-H$	Aldehyde	$H-\overset{\overset{O}{\parallel}}{C}-H$	Formaldehyde	$H_3C-\overset{\overset{O}{\parallel}}{C}-H$	Acetaldehyde	
$R-\overset{\overset{O}{\parallel}}{C}-OH$	Carboxylic acid	$H-\overset{\overset{O}{\parallel}}{C}-OH$	Formic acid (methanoic acid)	$H_3C-\overset{\overset{O}{\parallel}}{C}-OH$	Acetic acid (ethanoic acid)	CH_3CH_2COOH Propanoic acid

Number of identical groups	prefix
2	di-
3	tri-
4	tetra-
5	penta-
6	hexa-

