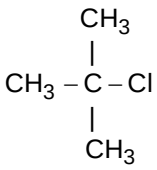
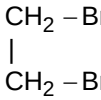
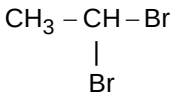
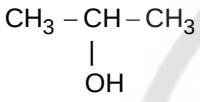
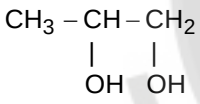
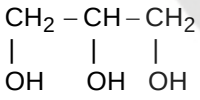
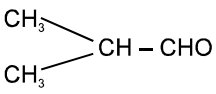
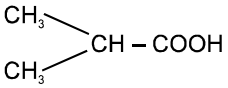
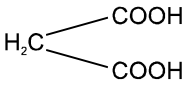
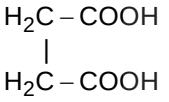
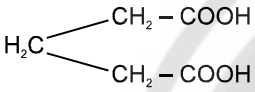
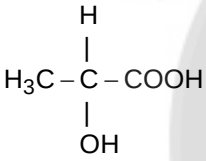
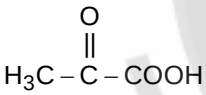
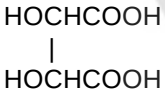
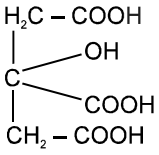
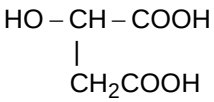
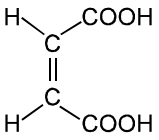
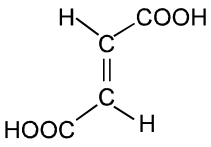
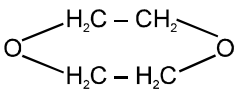
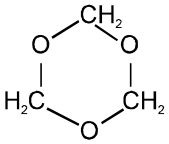
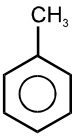
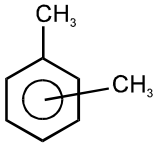
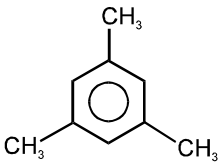
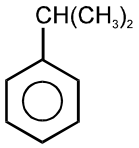
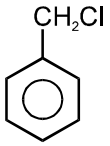
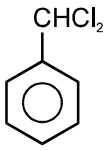
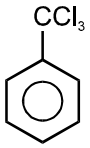
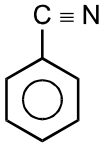
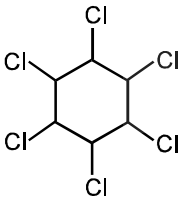
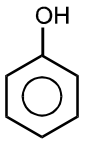
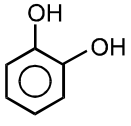
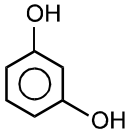
Table : 10 Examples of Common Names and IUPAC Names of Some Organic Compounds

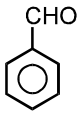
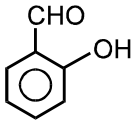
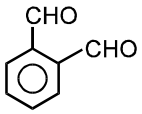
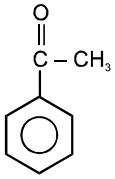
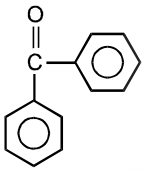
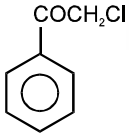
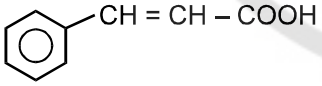
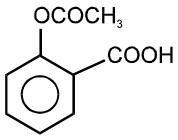
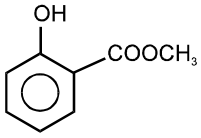
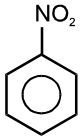
S.No.	Compound	Common names	IUPAC name
1.	CH_4	Methane or Marsh gas or Fire damp or Carbane	Methane
2.	$H_3C-\underset{\displaystyle CH_3}{\underset{\vert}{CH}}-CH_3$	Isobutane	2-Methylpropane
3.	$H_3C-\underset{\displaystyle CH_3}{\underset{\vert}{CH}}-CH_2-CH_3$	Isopentane	2-Methylbutane
4.	$H_3C-\underset{\displaystyle CH_3}{\overset{\displaystyle CH_3}{\overset{\vert}{\underset{\vert}{C}}}}-CH_3$	Neopentane	2, 2-Dimethylpropane
5.	$CH_3-\underset{\displaystyle CH_3}{\underset{\vert}{CH}}CH_2CH_2CH_3$	Isohexane	2-Methylpentane
6.	$CH_3-\underset{\displaystyle CH_3}{\overset{\displaystyle CH_3}{\overset{\vert}{\underset{\vert}{C}}}}-CH_2CH_3$	Neohexane	2-2-Dimethylbutane
7.	$CH_2=CH_2$	Ethylene	Ethene
8.	$CH_3CH=CH_2$	Propylene	Propene
9.	$CH_3CH_2-CH=CH_2$	α-Butylene	But-1-ene
10.	$CH_3CH=CHCH_3$	β-Butylene	But-2-ene
11.	$CH_3(CH_2)_2CH=CHCH_3$	β-Hexylene	Hex-2-ene
12.	$\begin{matrix}CH_3\\ \diagdown\\ \quad CH=CH_2\\ \diagup\\ CH_3\end{matrix}$	Isobutylene	2-Methylpropene
13.	$CH_2=C=CH_2$	Allene	Propadiene
14.	$HC\equiv CH$	Acetylene, Narcylene	Ethyne
15.	$H_3C-C\equiv CH$	Methyl acetylene (Allylene)	Propyne
16.	CH_3-Cl	Methyl chloride	Chloromethane
17.	$CH_3-\underset{\displaystyle I}{\underset{\vert}{CH}}-CH_3$	Isopropyl iodide	2-Iodopropane
18.	$CH_3CH_2-\underset{\displaystyle Cl}{\underset{\vert}{CH}}-CH_3$	sec-Butyl chloride	2-Chlorobutane
19.	$CH_3-\underset{\displaystyle CH_3}{\underset{\vert}{CH}}-CH_2-Cl$	Isobutyl chloride	1-Chloro-2-methylpropane

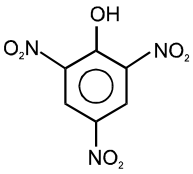
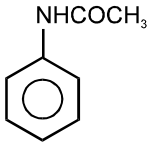
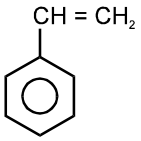
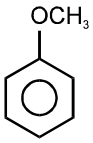
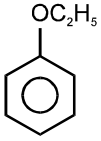
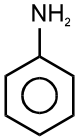
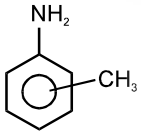
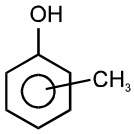
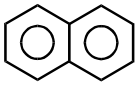
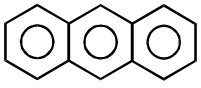
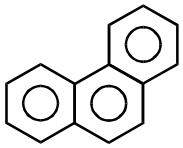
S.No.	Compound	Common name	IUPAC name
20.		tert-Butyl chloride	2-Chloro-2-methylpropane
21.		Ethylene dibromide	1, 2-Dibromoethane
22.		Ethylidene bromide	1, 1-Dibromoethane
23.	$CH_2 = CH - Cl$	Vinyl chloride	Chloroethene
24.	$CH_2 = CH - CH_2 - Br$	Allyl bromide	3-Bromo-1-propene
25.	$CH_3 - CH_2 - OH$	Ethyl alcohol or (Methylcarbinol)	Ethanol
26.	$CH_3CH_2CH_2 - OH$	n – Pr opyl alcohol or (Ethyl carbinol)	Propan-1-ol
27.		Isopropyl alcohol	Propan-2-ol
28.	$CH_2 = CH - OH$	Vinyl alcohol	Ethenol
29.	$CH_2 = CH - CH_2 - OH$	Allyl alcohol	Prop-2-en-1-ol
30.	$CH \equiv C - CH_2 - OH$	Propargyl alcohol	Prop-2-yn-1-ol
31.		Propylene glycol	Propane-1, 2-diol
32.	$HO - CH_2 - CH_2 - CH_2 - OH$	Trimethylene glycol	Propane-1, 3-diol
33.		Glycerol or Glycerine	Propane-1, 2, 3-triol
34.	$H - CHO$	Formaldehyde	Methanal
35.	$CH_3 - CHO$	Acetaldehyde	Ethanal
36.	$CH_3CH_2CH_2 - CHO$	n-Butyraldehyde	Butanal
37.		Isobutyraldehyde	2-Methylpropanal
38.	$CH_2 = CH - CHO$	Acrolein	prop-2-enal
39.	$CH_3CH = CH - CHO$	Crotonaldehyde	But-2-enal
40.	$CH_3 - CO - CH_3$	Dimethyl ketone or Acetone	Propanone
41.	$CH_3 - CO - CH_2CH_3$	Ethyl methyl ketone	butan-2-one
42.	$CH_3 - CO - CH_2CH_2CH_3$	Methyl n-propyl ketone	Pentan-2-one
43.	$CH_3CH_2 - CO - CH_2CH_3$	Diethyl ketone	Pentan-3-one
44.	$CH_3CO - CH = CH_2$	Methylvinyl ketone	But-3-en-2-one

S.No.	Compound	Common name	IUPAC name
45.	$H-COOH$	Formic acid	Methanoic acid
46.	CH_3-COOH	Acetic acid	Ethanoic acid
47.	$CH_3CH_2CH_2-COOH$	n-Butyric acid	Butanoic acid
48.	$CH_3CH_2CH_2CH_2COOH$	n-Valeric acid	Pentanoic acid
49.		Iso-Butyric acid	2-Methylpropanoic acid
50.	$CH_2=CH-COOH$	Acrylic acid	2-Propenoic acid
51.		Oxalic acid	Ethane-1, 2-dioic acid
52.		Malonic acid	Propane-1, 3-dioic acid
53.		succinic acid	Butane-1, 4-dioic acid
54.		Glutaric acid	Pentane-1, 3-dioic acid
55.		Lactic acid	2-Hydroxypropanoic acid
56.		Pyruvic acid	2-Ketopropanonic acid
57.		Tartaric acid	2,3 – Dihydroxybutane – 1, 4 – dioic acid
58.		Citric acid	2 – Hydroxypropane – 1,2, 3 – tricarboxylic acid
59.		Malic acid	2 – Hydroxy – butane – 1, 4 – dioic acid
60.		Maleic acid	cis-but-2-ene-1,4-dioic acid
61.		Fumaric acid	trans but – 2 – en – 1, 4 – dioic acid

S.No.	Compound	Common name	IUPAC name
62.	$H_2C = CH - COOH$	Acrylic acid	Prop-2-en-1-oic acid
63.	$H_3C - CH = CH - COOH$	Crotonic acid	But-2-en-1-oic acid
64.	$H - COOCH_3$	Methyl formate	Methyl methanoate
65.	$H - COOC_2H_5$	Ethyl formate	Ethyl methanoate
66.	$CH_3 - COOC_2H_5$	Ethyl acetate	Ethyl ethanoate
67.	H – COCl (unsatble)	Formyl chloride	Methanoyl chloride
68.	$CH_3 - COCl$	Acetyl chloride	Ethanoyl chloride
69.	$(CH_3CO)_2O$	Acetic anhydride	Ethanoic anhydride
70.	$(CH_3CH_2CO)_2O$	Propionic anhydride	Propanoic anhydride
71.	$H - CONH_2$	Formamide	Methanamide
72.	$CH_3 - CONH_2$	Acetamide	Ethanamide
73.	$CH_3 - CH_2 - CONH_2$	Propionamide	Propanamide
74.	$CH_3 - O - N = O$	Methylnitrite	
75.	$CH_3CH_2 - O - N = O$	Ethylnitrite	
76.	$CH_3 - NH_2$	Methylamine or Aminomethane	Methanamine
77.	$(CH_3CH_2)_2NH$	Diethylamine or N-Ethylaminoethane	N-Ethylethanamine
78.	$(CH_3)_3N$	Trimethylamine or N,N-Dimethylamino-methane	N,N-Dimethylmethan-amine
79.	$H_2N - \overset{O}{\overset{\|\|}{C}} - NH - \overset{O}{\overset{\|\|}{C}} - NH_2$	Biuret	
80.	$H_2N - SO_3H$	Sulphamic acid	Aminosulphonic acid
81.	$CH_3 - CN$	Methyl cyanide or Acetonitrile	Ethanenitrile
82.	$CH_3 - N^+ \equiv C^-$	Methyl isocyanide or Methyl carbylamine	Methylisonitrile
83.	$CH_3CH_2 - N^+ \equiv C^-$	Ethyl isocyanide or Ethyl carbylamine	Ethylisonitrile
84.		Dioxane	1, 4-Dioxacyclohexane
85.		Trioxane	1,3,5-Trioxacyclohexane
86.		Phene	Benzene
87.		Toluene	Methylbenzene

S.No.	Compound	Common name	IUPAC name
88.		Xylene (o,m,p)	o – Xylene / m – Xylene p – Xylene
89.		Mesitylene	1,3,5 – Trimethyl benzene
90.		Cumene	Isopropylbenzene
91.		Benzylchloride	
92.		Benzalchloride	Dichlorophenylmethane
93.		Benzotrichloride	Trichlorophenylmethane
94.		Benzonitrile	Benzene carbonitrile
95.		(Gammexane or Lindane or 666) BHC	Hexachlorocyclohexane
96.		Carbolic acid	Phenol
97.		Catechol	2-Hydroxyphenol
98.		Resorcinol	3-Hydroxyphenol

S.No.	Compound	Common name	IUPAC name
99.		Quinol	4-Hydroxyphenol
100.		Oil of bitter almonds	Benzaldehyde/Benzenal
101.		Salicyladehyde	2 – Hydroxy benzaldehyde
102.		Phthalaldeyde	1,2 – Benzenedi – corbaldehyde
103.		Hypnone	Acetophenone or Methylphenyl ketone
104.		Benzophenone	Benzophenone
105.		Phenacyl chloride	Chloroacetophenone
106.		Cinnamic acid	3 – Phenylprop – 2 – en oic acid
107.		Aspirin (Acetyl salicylic acid)	2-Acetoxybenzoic acid
108.		Oil of winter green (Methyl salicylate)	Methyl 2 – hydroxy benzoate
109.		Oil of mirbane	Nitrobenzene

S.No.	Compound	Common name	IUPAC name
110.		Picric acid	2, 4, 6-Trinitrophenol
111.		Acetanilide	N-Phenylethanamide
112.		Styrene	Phenylethene or Vinylbenzene
113.		Anisole	Methoxybenzene
114.		Phenetol	Ethoxybenzene
115.		Aniline	Aniline (Benzenamine)
116.		(o, m, p) Toluidine	Methylaniline
117.		(o, m, p) cresol	Hydroxytoluene
118.		Naphthalene	Naphthalene
119.		Anthracene	Anthracene
120.		Phenanthrene	Phenanthrene