

1 General Group Name Sheet

Chemical Group	Structure	Properties	Illustrative example
Alkyne	$C_{2n}H_{2n-2}$ Unsaturated hydrocarbon	Linear, soluble in nonpolar organic solvents, but not water.	Ethene
Alkene	C_nH_{2n} Unsaturated hydrocarbon	Linear or ring-forming linear, nonpolar solvent.	Acetylene (Ethyne)
Carboxylic Acid	$C_nH_{2n}O_2$ Unsaturated Carboxylic acid	Act as a Brønsted acid.	Acetic Acid (Ethanoic)
Alcohol	$C_nH_{2n}O$ Unsaturated alcohol	Act as a Brønsted acid.	Ethanol
Aldehyde	$C_nH_{2n}O$ Unsaturated aldehyde	Linear aldehyde groups soluble through moderate mixing. Carboxylating of organic molecules influence on aldehydes. acid.	Cyclohexane
Phenol	C_6H_5O (or C_6H_4O) Unsaturated (Organic) Phenol	Linear, soluble in water, ethanol, etc.	Cyclohexane
Alkyne	$C_{2n}H_{2n-2}$ Unsaturated hydrocarbon	Linear, soluble in organic solvents, but not water, and not in aqueous solutions.	1, 2-Dibromoethane