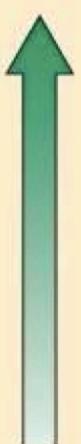


NOMENCLATURE

	Systematic name	Common name
Alkyl halide	substituted alkane CH ₃ Br bromomethane CH ₃ CH ₂ Cl chloroethane	alkyl group to which halogen is attached, plus <i>halide</i> CH ₃ Br methyl bromide CH ₃ CH ₂ Cl ethyl chloride
Ether	substituted alkane CH ₃ OCH ₃ methoxymethane CH ₃ CH ₂ OCH ₃ methoxyethane	alkyl groups attached to oxygen, plus <i>ether</i> CH ₃ OCH ₃ dimethyl ether CH ₃ CH ₂ OCH ₃ ethyl methyl ether
Alcohol	functional group suffix is <i>ol</i> CH ₃ OH methanol CH ₃ CH ₂ OH ethanol	alkyl group to which OH is attached, plus <i>alcohol</i> CH ₃ OH methyl alcohol CH ₃ CH ₂ OH ethyl alcohol
Amine	functional group suffix is <i>amine</i> CH ₃ CH ₂ NH ₂ ethanamine CH ₃ CH ₂ CH ₂ NHCH ₃ <i>N</i> -methyl-1-propanamine	alkyl groups attached to N, plus <i>amine</i> CH ₃ CH ₂ NH ₂ ethylamine CH ₃ CH ₂ CH ₂ NHCH ₃ methylpropylamine

	Class	Suffix name	Prefix name
 increasing priority	Carboxylic acid	-oic acid	Carboxy
	Ester	-oate	Alkoxy carbonyl
	Amide	-amide	Amido
	Nitrile	-nitrile	Cyano
	Aldehyde	-al	Oxo (=O)
	Aldehyde	-al	Formyl (CH=O)
	Ketone	-one	Oxo (=O)
	Alcohol	-ol	Hydroxy
	Amine	-amine	Amino
	Alkene	-ene	Alkenyl
	Alkyne	-yne	Alkynyl
	Alkane	-ane	Alkyl
	Ether	—	Alkoxy
	Alkyl halide	—	Halo

COMMON FUNCTIONAL GROUPS

Alkane	RCH_3	Aniline	
Alkene	 internal terminal	Phenol	
Alkyne	$\text{RC}\equiv\text{CR}$ internal	$\text{RC}\equiv\text{CH}_2$ terminal	Carboxylic acid
Nitrile	$\text{RC}\equiv\text{N}$	Acylic chloride	
Ether	$\text{R}-\text{O}-\text{R}$	Acid anhydride	
Thiol	RCH_2-SH	Ester	
Disulfide	$\text{R}-\text{S}-\text{S}-\text{R}$	Amide	 $\sim\text{NHR}$ $\sim\text{NR}_2$
Epoxide		Aldehyde	
Sulfide	$\text{R}-\text{S}-\text{R}$	Ketone	
Sulfonium salt	$\text{R}-\overset{\text{R}}{\underset{\text{X}^-}{\text{S}}}^+-\text{R}$	primary	
Quaternary ammonium salt	$\text{R}-\overset{\text{R}}{\underset{\text{R}}{\text{N}}}^+-\text{R}$	secondary	
Alkyl halide	$\text{R}-\text{CH}_2-\text{X}$ $\text{X} = \text{F, Cl, Br, or I}$	tertiary	
Alcohol	$\text{R}-\text{CH}_2-\text{OH}$		
Amine	$\text{R}-\text{NH}_2$		