

# Organic Chemistry: Compounds

	FUNCTIONAL GROUP	CLASS OF COMPOUNDS	SOME EXAMPLES
Organic compounds with functional groups		Alkenes	ethylene, butane, cyclohexene
		Alkynes	acetylene, propyne
		Organic halides	methyl chloride, chloroform, iodobenzene
		Alcohols, R-OH	ethyl alcohol, methyl alcohol, 2-butanol, ethylene glycol
		Phenols, Ar-OH	phenol, m-cresol, hydroquinone
		Ethers	diethyl ether, methyl phenyl ether, diphenyl ether
		Amines	methylamine, aniline, dimethylamine, pyridene
		Carboxylic acids	formic acid, acetic acid, benzoic acid, stearic acid
		Acid anhydrides	acetic anhydride
		Acyl halides	acetyl chloride
		Esters	ethyl acetate, glyceryl tristearate
		Amides	N-methylacetamide, acetanilide, various polyamides
		Aldehydes (Y = H)	formaldehyde, acetaldehyde, benzaldehyde
Ketones (Y = R or Ar)		acetone, cyclohexanone, benzophenone, camphor	

\*R- means carbon attachment C-C-C

\*Ar- means phenol or benzyl group