

NOMENCLATURE



Name Form

homologous series	functional group	prefix / suffix (* = usual use)	example
alkenes		suffix -ene	
alcohols		suffix* -ol prefix hydroxy-	
haloalkanes		prefix chloro- bromo- iodo-	
aldehydes		suffix -al	
ketones		suffix* -one prefix oxo-	
carboxylic acids		suffix -oic acid	
nitriles		suffix -nitrile	
amines		suffix* -amine prefix amino-	
esters		suffix -oate	
amide		suffix -amide	
acyl chloride		suffix -oyl chloride	
acid anhydride		suffix -oyl chloride	

1) Draw the structural formula of each of the following compounds.

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|---------------------------|--|
| a) 2-chlorobutane | h) ethylamine |
| b) 3-methylpent-2-ene | i) propyl ethanoate |
| c) butanal | j) 3-hydroxybutanenitrile |
| d) 2,3-dimethylbutan-2-ol | k) ethanoyl chloride |
| e) pentan-2-one | l) propanoic anhydride |
| f) butanoic acid | m) 3-chloro-3-ethyl-4-hydroxy-4-methylpent-1-ene |
| g) propanamide | n) N-methylethanamide |

2) Name the following organic compounds.

