

As	K	
Fr	A	N
C	He	M

AQA

A Level Chem

Specification point

3.3.1 Functional groups

Q1 Identify the functional groups in each of the molecules below. The first example has been made for you

a) CH_3CHCH_2 *Alkene*

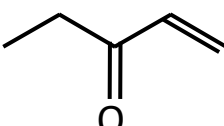
b) $\text{CH}_3\text{CH}_2\text{COCH}_3$ Ketone

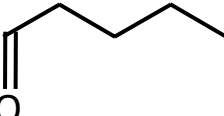
c) $\text{CH}_3\text{CHBrCH}_3$ Haloalkane

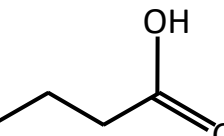
d) CH_3COOH Carboxylic acid

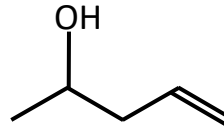
f) $\text{CH}_3(\text{CH}_2)_4\text{CHO}$ Aldehyde

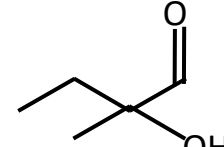
g)  Alkene

h)  Ketone and Alkene

i)  Aldehyde

j)  Carboxylic acid

k)  Alcohol (2°) and aldehyde

l)  Alcohols (3°) and Aldehyde

m) $\text{CH}_2\text{CHCOCH}_2\text{CH}_3$ Alkene and Ketone

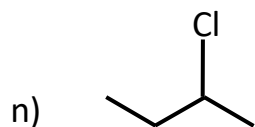
As	K	
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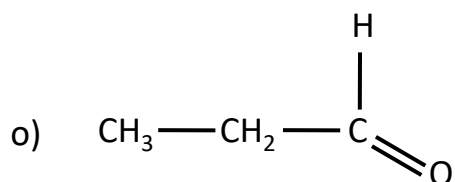
A Level Chem

Specification point

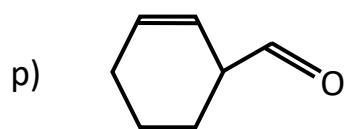
3.3.1 Functional groups



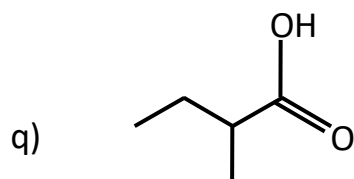
Halogenoalkane



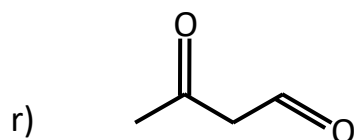
Aldehyde



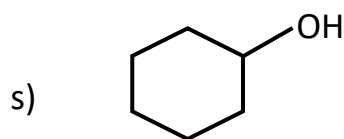
Alkene and Aldehyde



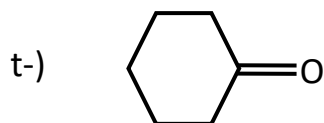
Carboxylic acid



Ketone and Aldehyde



Alcohol (2°)



Ketone



Ketone, Alkene and Aldehyde