

OCR: Chemistry – Unit 2 – Chains, Energy and Resources

Note: For all Mechanisms and Reactions – There is an attached sheet at the end showing all the needed reactions in more detail.

THERE IS ALSO A LIST OF ALL EQUATIONS AND REACTION NEEDED FOR THIS SYLLABUS ATTACHED IN A SEPARATE FILE.

(a) Interpret and use the terms:

*(i) Empirical formula as the **simplest whole number ratio of atoms of each element present in a compound.***

*(ii) molecular formula as the **actual number of atoms of each element in a molecule,***

*(iii) general formula as the **simplest algebraic formula of a member of a homologous series.***

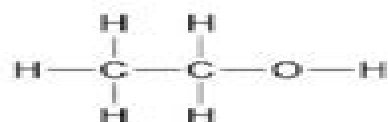
Alkane	C_nH_{2n+2}
Alkene	C_nH_{2n}
Alcohol	$C_nH_{2n+2}OH$
Cycloalkane	C_nH_{2n}
Cycloalkene	C_nH_{2n-2}
Haloalkane	$C_nH_{2n+2}X$

*(iv) structural formula as **the minimal detail that shows the arrangement of atoms in a molecule***

E.g., Butane:

$CH_3CH_2CH_2CH_3$ or $CH_3(CH_2)_2CH_3$,

*(v) displayed formula as **the relative positioning of atoms and the bonds between them, ie for ethanol:***



Mark Scheme Unit F322 Chains Energy And Ocr

Jessica J Manson



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Embracing the Melody of Expression: An Psychological Symphony within **Mark Scheme Unit F322 Chains Energy And Ocr**

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