Edexcel International GCSE Chemistry 4CH1 Learning Plan

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| **Unit: 4. Organic Chemistry** | | **Chapter: 25. Alkenes** | | **Hours: 2** |
| Content coverage | Learning outcomes | Resources | Assessment | |
| **Section 4: Organic chemistry**  (d) Alkenes | Students will be assessed on their ability to:  4.23 know that alkenes contain the functional group >C=C<  4.24 know the general formula for alkenes  4.25 explain why alkenes are classified as unsaturated hydrocarbons  4.26 understand how to draw the structural and displayed formulae for alkenes with up to four carbon atoms in the molecule, and name the unbranched-chain isomers; *knowledge of cis/trans or E/Z notation is not required*  4.27 describe the reactions of alkenes with bromine, to produce dibromoalkanes  4.28 describe how bromine water can be used to distinguish between an alkane and an alkene. | Video:  Section 3 – Lesson 2 – The Alkenes, Ethanol  Powerpoint:  Chemistry - Section 3 – Lesson 2  Textbook pages:  Page 283 – Isomers  Page 283 – Unsaturated hydrocarbons | Pages 285 – 286 Qs. (1) to (5)  Chapter 25 Answers to textbook questions  Unit 4-25 Alkenes exam question - pdf  Unit 4-25 Alkenes exam question mark scheme – pdf  Section D19 - Talking paper video | |

Videos – [www.igcsesciencecourses.com](http://www.igcsesciencecourses.com)

Textbook Ref: Edexcel International GCSE (9-1) Chemistry Student Book - Pearson (Clark, Owen and Yu)