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 alkenes4.25 explain why alkenes are classified as unsaturated hydrocarbons4.26 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 dibromoalkanes4.28 describe how bromine water can be used to distinguish between an alkane and an alkene. | Video: Section 3 – Lesson 2 – The Alkenes, EthanolPowerpoint: Chemistry - Section 3 – Lesson 2Textbook pages:Page 283 – IsomersPage 283 – Unsaturated hydrocarbons | Pages 285 – 286 Qs. (1) to (5)Chapter 25 Answers to textbook questionsUnit 4-25 Alkenes exam question - pdfUnit 4-25 Alkenes exam question mark scheme – pdfSection 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)