

IGCSE Chemistry (9-1) Specification 4(d)

(d) Alkenes

Students should:

- 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

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