

Reaction of Alkenes questions

- 1) Why do alkanes not dis-colour bromine but alkenes do?
- 2) Why is there no such thing as methene?
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- 3) Why is margarine a solid at 5°C but the vegetable oil it is made from is a liquid at 5°C?
- 4) Draw the structure of pent-1-ene
- 5) What is combustion in relation to alkenes, and what are the products?
- 6) Balance the following alkene combustion equations:
Pent-2-ene $C_5H_{10} + O_2 \rightarrow CO_2 + H_2O$
But-3-ene $C_4H_8 + O_2 \rightarrow CO_2 + H_2O$
- 7) What is the general formula for the alkenes?
- 8) Draw 3 isomers of Hex-2-ene:
- 9) Draw the reaction of Chlorine (Cl_2) with Hex-3-ene (Hint – it is addition)