Addition Polymerisation

Addition Polymerisation Information: Highlight key words in the text below

Addition polymerisation is a chemical reaction in which many small molecules called **monomers** join together to form a long chain called a **polymer**. This usually happens with **alkenes**, which contain a carbon–carbon double bond. During the reaction, the double bond opens up and the monomers link together to form a repeating chain. This process is used to make many common plastics such as poly(ethene) and poly(propene).

Answer the questions below

What are the small molecules that join together in addition polymerisation called?

_____

What type of hydrocarbons usually take part in addition polymerisation?

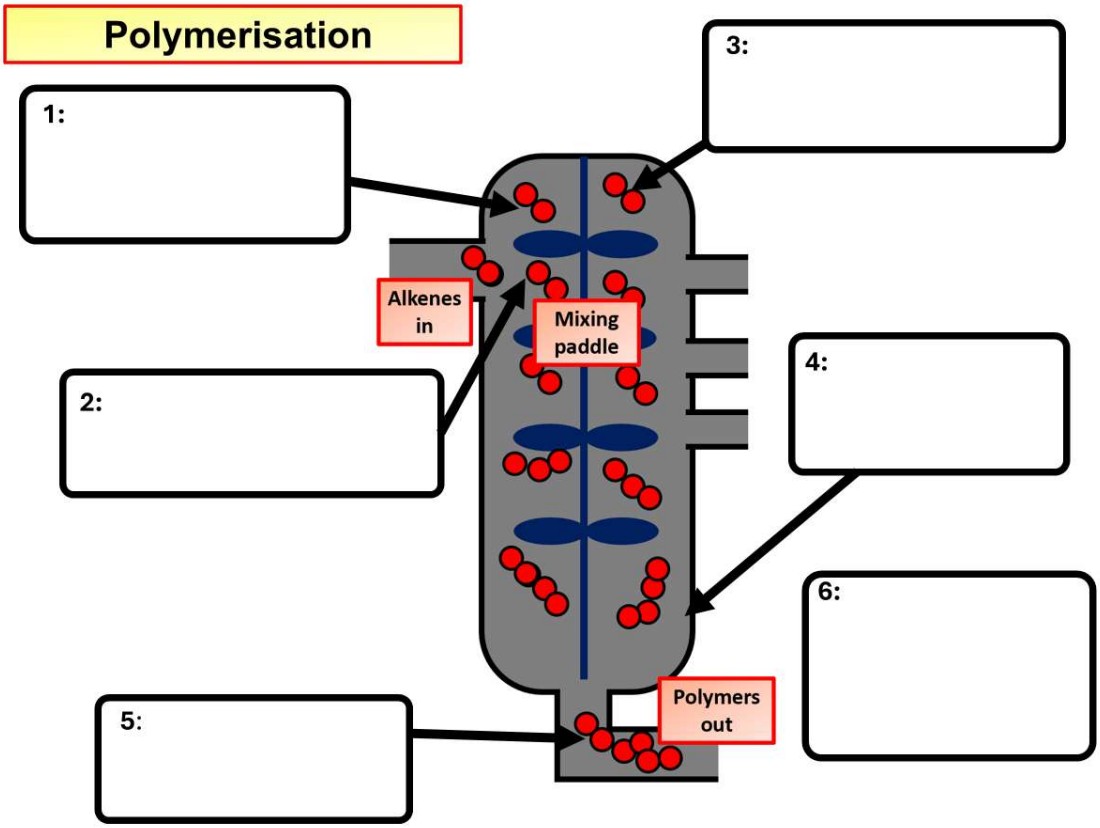
_____

What happens to the carbon–carbon double bond during addition polymerisation?

_____

Annotate the diagram below to show how polymers are formed

Polymerisation



Key questions

What are small molecules that join together to form polymers called?

What type of bond is often found in monomers used to make plastics?

What happens to the double bond during polymerisation?

What happens when many monomers join together?

What is the long chain that forms called?

What repeats many times along a polymer chain?

Short Answers

Summary video

Diagram walkthru