

20 Addition polymerisation – Part 1

—Answers

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Work through these after trying the questions yourself.

20.1 A monomer is a small starting molecule; a polymer is the long chain made by joining many monomers.

20.2 A C=C double bond (it must be unsaturated).

20.3 $-(\text{CH}_2-\text{CH}_2)-$ with bonds drawn out at each end.

20.4 None —no other product is made.

20.5 $\text{CH}_2=\text{CHCl}$ (chloroethene), putting the C=C double bond back.

20.6 $-(\text{CH}_2-\text{CH}(\text{CH}_3))_n-$: change the C=C to a single C-C, keep the CH_3 branch, and draw a bond out at each end.