

11 Alcohols, acids and polymers – Part 2

—Answers

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Work through these after trying the questions yourself.

11.6 (a) -OH ; (b) -COOH .

11.7 Fermentation of glucose; hydration of ethene (adding steam to ethene).

11.8 As a fuel; as a solvent.

11.9 A salt (magnesium ethanoate) + water + carbon dioxide.

11.10 Poly(ethene); the process is addition polymerisation.

11.11 The polymer is **poly(ethene)**. Ethane cannot be used because it is **saturated** (no $\text{C}=\text{C}$ double bond), and addition polymerisation needs the $\text{C}=\text{C}$ to join the monomers together.