

Match columns A, B and C suitably. (Textbook page 125)

Reactants (A)	Product/Products (B)	Name of the reaction (C)
$\text{CH}_3 - \text{CH}_3 + \text{Cl}_2$	$\text{CH}_3 - \text{CH}_2\text{Cl} + \text{HCl}$	Substitution reaction
$\text{C}_2\text{H}_6 + \text{O}_2$	$\text{CO}_2 + \text{H}_2\text{O}$	Combustion
$n \text{CH}_2 = \text{CH}_2$	$[\text{CH}_2 - \text{CH}_2]_n$	Polymerisation
$\text{CH}_3 - \text{CH}_2 - \text{CH}_3$	$\text{CH}_2 = \text{CH}_2 + \text{CH}_4$	Thermal cracking
$\text{CH} \equiv \text{CH} + \text{H}_2$	$\text{CH}_2 = \text{CH}_2$	Addition reaction