

THIRUVANANTHAPURAM EDUCATIONAL DISTRICT**CHEMISTRY X****CHAPTER 7 MODULE 1**

CW18EM

ANSWERKEY**1. Match the following:**

Reactants	Products	Name of reaction
$\text{CH}_3-\text{CH}_3 + \text{Cl}_2$	$\text{CH}_3-\text{CH}_2\text{Cl} + \text{HCl}$	Substitution reaction
$\text{C}_2\text{H}_6 + \text{O}_2$	$\text{CO}_2 + \text{H}_2\text{O}$	Combustion
$n\text{CH}_2=\text{CH}_2$	$-\text{[CH}_2-\text{CH}_2\text{]}_n-$	Polymerisation
$\text{CH}_3-\text{CH}_2-\text{CH}_3$	$\text{CH}_2=\text{CH}_2 + \text{CH}_4$	Thermal cracking
$\text{CH}_2=\text{CH}_2 + \text{H}_2$	CH_3-CH_3	Addition reaction

2. Complete the table:

$\text{CH}\equiv\text{CH} + \text{H}_2$	\longrightarrow	$\text{CH}_2=\text{CH}_2$
$\text{CH}_2\text{Cl}_2 + \text{Cl}_2$	\longrightarrow	CCl_4
$n\text{CH}_2=\text{CH}_2$	\longrightarrow	$-\text{[CH}_2-\text{CH}_2\text{]}_n-$
$\text{CH}_4 + \text{O}_2$	\longrightarrow	$\text{CO}_2 + \text{H}_2\text{O}$
$\text{CH}_2=\text{CH}_2 + \text{H}_2$	\longrightarrow	CH_3-CH_3

3 Complete the table

Monomer	Polymer	Use
Vinyl chloride	Polyvinylchloride	Manufacture of pipes ,taps etc.
Ethene	Polythene	Manufacture of cover,bags etc.
Isoprene	Natural rubber(Poly isoprene)	Tubes,tyres belt etc.
Tetrafluroethene	Teflon	Coating on the innersurface of nonstick utensils

4.

