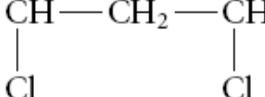
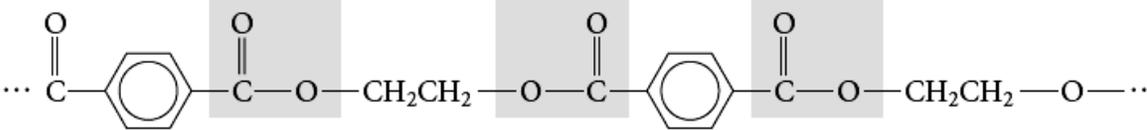
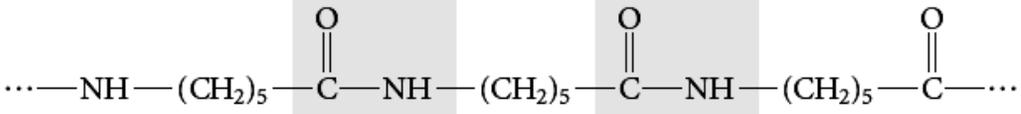


Examples of Addition Polymers

Name	Structure of monomer	Structure of polymer	Uses
polystyrene	$\text{H}_2\text{C}=\text{CH}$  <p>styrene</p>	$\cdots\text{---CH}_2\text{---CH---CH}_2\text{---CH---}$  <p>polystyrene</p>	<ul style="list-style-type: none"> • styrene and Styrofoam™ cups • insulation • packaging
polyvinylchloride (PVC, vinyl)	$\text{H}_2\text{C}=\text{CH}$  <p>vinyl chloride</p>	$\cdots\text{---CH}_2\text{---CH---CH}_2\text{---CH---}$  <p>polyvinylchloride</p>	<ul style="list-style-type: none"> • construction materials • sewage pipes • medical equipment

Examples of Condensation Polymers

Name	Structure	Uses
Dacron™ (a polyester)	 <p>ester bond ester bond ester bond</p>	<ul style="list-style-type: none"> • synthetic fibres used to make fabric for clothing and surgery
Nylon-6 (a polyamide)	 <p>amide bond amide bond</p>	<ul style="list-style-type: none"> • tires • synthetic fibres used to make rope and articles of clothing, such as stockings