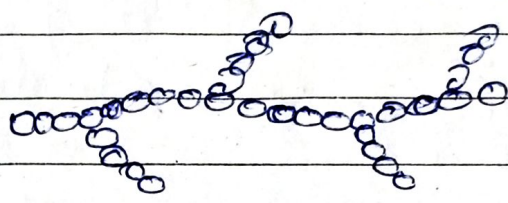


\* Branched chain polymers :->

In these polymers monomer units combine to give linear chain and also form branches of different length along the main chain. Because of branches, they do not pack well and have low melting points, density and tensile strength as compared to linear polymers.

eg -> low-density polythene (LDPE), Glycogen, starch, amylopectin etc.



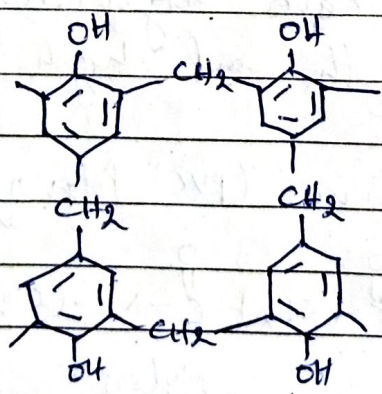
Branched chain polymer

\* Cross-linked polymers :-> / Three-dimensional network polymers

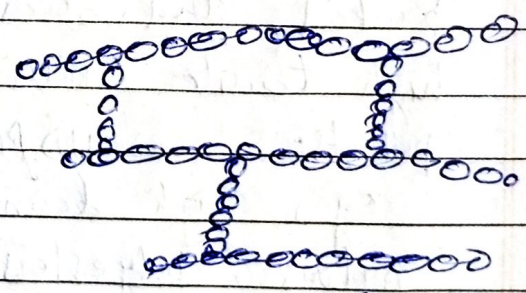
These are polymers in which monomer units are cross-linked together to form a three-dimensional network. These are also called 3-D network polymers.

These polymers are hard, rigid and brittle because of network structure.

eg -> Bakelite, melamine formaldehyde resin, urea formaldehyde polymer. etc.



Bakelite



Cross-linked Polymers