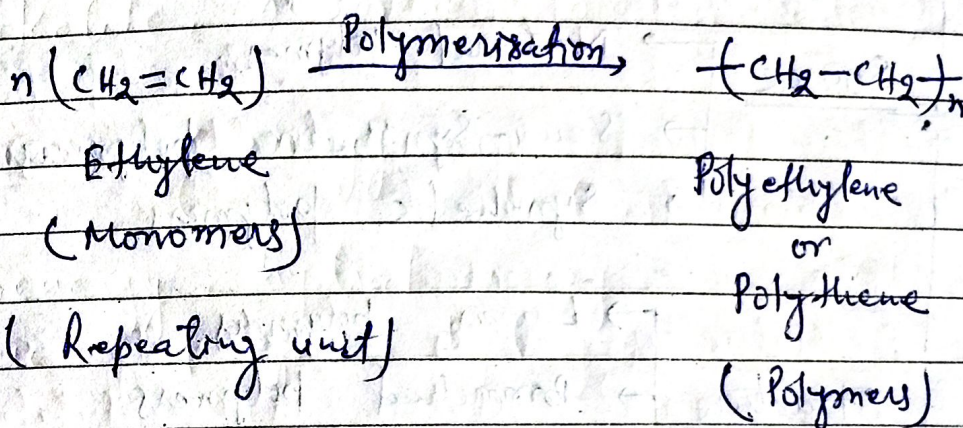


Polymers

In Greek, Poly $\rightarrow$ Many
& meros $\rightarrow$ units or parts.

Polymers are high molecular mass substances consisting of large number of repeating structural units derived from simple molecules.



* The polymers are also called macromolecules because of their big size or macro sized and have very high molecular mass of the order $(10^3 \text{ to } 10^7 \text{ u})$.

Monomers $\rightarrow$

The simple molecules which combine to give polymers are called monomers.

Polymerisation $\rightarrow$

The process by which ~~combine~~ simple molecules (i.e. monomers) ~~to give~~ are converted into polymers is called polymerisation.

* There are many natural polymers often called biopolymers. Such as Carbohydrates and proteins, starch, cellulose, nucleic acid etc.

Classification of polymers based on

