

Structure of Polymers

Polymers are long chain molecules. Polymers are formed by repeating units. The units are called monomers. The process of polymerization is called polymerisation.

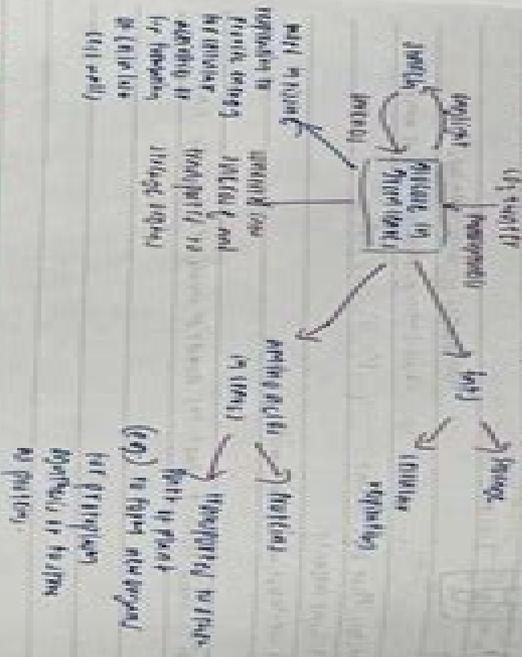
There are two types:

1. **Thermoplastic** - These are polymers which soften on heating and harden on cooling. They are used for making bottles, pipes, etc. They are made of long chain molecules.

2. **Thermosetting** - These are polymers which harden on heating and do not soften on cooling. They are used for making electrical insulators, etc. They are made of cross-linked chain molecules.

Polymers are formed by the process of polymerisation. The process is called polymerisation. The process is called polymerisation.

Structure of Polymers

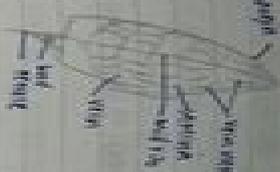


Properties of Polymers

- Polymers are long chain molecules.
- They are formed by the process of polymerisation.
- They are used for making bottles, pipes, etc.

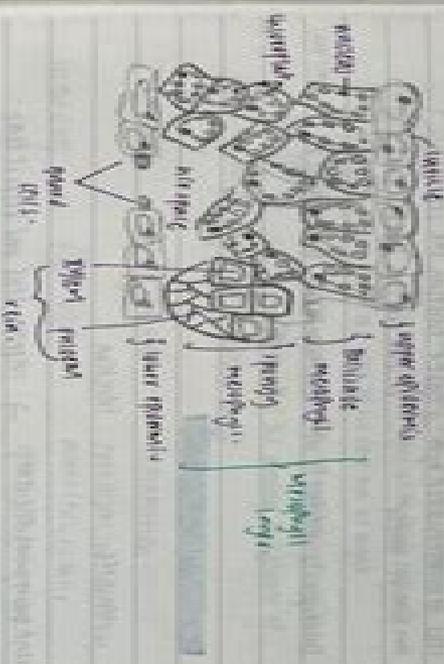
- ✓ Polymers are formed by the process of polymerisation.
- ✓ Polymers are used for making bottles, pipes, etc.
- ✓ Polymers are used for making electrical insulators, etc.

Structure of Polymers



Property	Thermoplastic	Thermosetting
Softening point	High	Low
Hardness	Low	High
Use	Bottles, pipes, etc.	Electrical insulators, etc.

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