

# POLYMERIZE

*Meaning: To polymerize means to undergo a chemical process in which small molecules, known as monomers, combine to form a larger, more complex structure called a polymer.*

1. Chemists often study how certain monomers can polymerize to form long-chain molecules.
2. In nature, proteins polymerize from amino acids, creating complex structures essential for life.
3. The process of polymerization can occur through various methods, including heat, light, or chemical catalysts.
4. Scientists are researching how to efficiently polymerize renewable resources into biodegradable plastics.
5. Understanding how to control the conditions under which substances polymerize can lead to innovative materials with unique properties.
6. The chemist explained how the monomers would polymerize to form a durable plastic.
7. In the laboratory, researchers observed how heat could cause the liquid to polymerize rapidly.
8. To create the desired material, they needed to polymerize the components under specific conditions.
9. Many synthetic fibers are produced through the process of polymerizing various chemical compounds.
10. Understanding how to control the rate at which substances polymerize is crucial in materials science.

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