

## CHAPTER OVERVIEW

### 23: Polymeric Materials and Soft Condensed Matter

An General Chemistry Libretexts Textmap organized around the textbook

#### **Principles of Modern Chemistry**

by Oxtoby, Gillis, and Campion

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A polymer is a large molecule, or macromolecule, composed of many repeated subunits. Because of their broad range of properties, both synthetic and natural polymers play essential and ubiquitous roles in everyday life. Polymers range from familiar synthetic plastics such as polystyrene to natural biopolymers such as DNA and proteins that are fundamental to biological structure and function.

[23.1: Polymerization Reactions for Synthetic Polymers](#)

[23.2: Applications for Synthetic Polymers](#)

[23.3: Liquid Crystals](#)

[23.4: Natural Polymers](#)

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