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Resource ID#: 111955

Primary Type: Student Tutorial

The Macromolecules of Life: Overview

Learn to identify the four basic biological macromolecules (carbohydrates, lipids, proteins, and nucleic acids) by structure and function with this interactive tutorial.

This is part 1 in a five-part series. Click below to explore other tutorials in the series.

- [The Macromolecules of Life: Carbohydrates](#)
- [The Macromolecules of Life: Lipids](#)
- [The Macromolecules of Life: Proteins](#)
- [The Macromolecules of Life: Nucleic Acids](#)

Attachments

[Accessible Version](#): Accessible version of the tutorial content in PDF format.

General Information

Subject(s): Science

Grade Level(s): 9, 10, 11, 12

Intended Audience: [Students](#)

Keywords: chemistry, proteins, lipids, carbohydrates, nucleic acids, biology, science, life science, macromolecules, monomers, polymers, monosaccharides, polysaccharides, structure, function, hormones, enzymes, DNA, RNA, interactive, tutorials, elearning, e-learning

Instructional Component Type(s): [Original Student Tutorial](#)

Resource Collection: Original Student Tutorials Science - Grades 9-12

Source and Access Information

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District/Organization of Contributor(s): Florida State University

Access Privileges: Public

Aligned Standards

Name	Description
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Describe the basic molecular structures and primary functions of the four major categories of biological macromolecules.

[SC.912.L.18.1:](#)

Clarifications:

Annually assessed on Biology EOC. Also assesses SC.912.L.18.11.

Suggested Tutorials

Name	Description
The Macromolecules of Life: Carbohydrates:	<p>Learn about the basic molecular structures and primary functions of carbohydrates with this interactive tutorial.</p> <p>This is part 2 in a five-part series. Click below to explore other tutorials in the series.</p> <ul style="list-style-type: none">• The Macromolecules of Life: Overview• The Macromolecules of Life: Lipids• The Macromolecules of Life: Proteins• The Macromolecules of Life: Nucleic Acids
The Macromolecules of Life: Lipids:	<p>Learn about the basic molecular structures and primary functions of lipids with this interactive tutorial.</p> <p>This is part 3 in a five-part series. Click below to explore other tutorials in the series.</p> <ul style="list-style-type: none">• The Macromolecules of Life: Overview• The Macromolecules of Life: Carbohydrates• The Macromolecules of Life: Proteins• The Macromolecules of Life: Nucleic Acids
The Macromolecules of Life: Proteins:	<p>Learn about the basic molecular structures and primary functions of proteins with this interactive tutorial.</p> <p>This is part 4 in a five-part series. Click below to explore other tutorials in the series.</p> <ul style="list-style-type: none">• The Macromolecules of Life: Overview• The Macromolecules of Life: Carbohydrates• The Macromolecules of Life: Lipids• The Macromolecules of Life: Nucleic Acids
The Macromolecules of Life: Nucleic Acids:	<p>Learn to identify and describe the structural and functional features of nucleic acids, one of the 4 primary macromolecule groups in biological systems, with this interactive tutorial.</p> <p>This is Part 3 in 5-part series. Click below to open the other tutorials in the series:</p> <ul style="list-style-type: none">• Macromolecules: Overview• Macromolecules: Carbohydrates• Macromolecules: Nucleic Acids• Macromolecules: Lipids• Macromolecules: Proteins