

2.1 Molecules to Metabolism

Metabolic Processes

Define metabolism

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Compare anabolism and catabolism (including an example of each)

Anabolism	Catabolism
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Differentiate between organic and inorganic compounds

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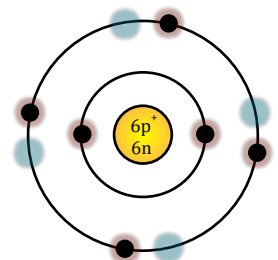
Explain how the structure of the carbon atom contributes to the formation of organic life

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Explain the theory of vitalism and how it was falsified

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Biomacromolecules

Define monomer

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Compare the four different types of biomacromolecules

Macromolecule	Monomer / Subunit	Polymer	Bond Involved
Carbohydrate			
Lipid			
Protein			
Nucleic Acid			

Write the chemical formula for an unsaturated fatty acid

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Draw molecular diagrams of glucose and ribose

Glucose (α -D)	Ribose

Explain how the following may be identified based on their chemical formula

Carbohydrate:

Protein:

Nucleic Acid: