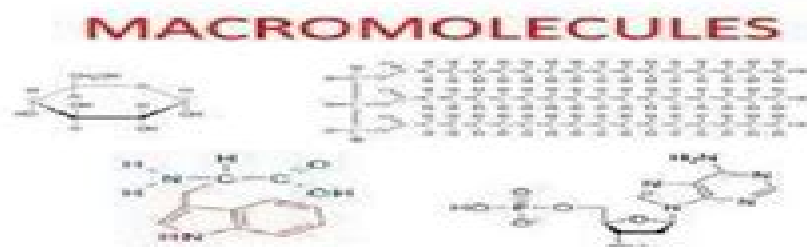


Learning Target: I can construct arguments supported by evidence to relate the structure of macromolecules (carbohydrates, proteins, lipids, and nucleic acids) to their interactions in carrying out cellular processes.



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1. Drag and drop the macromolecule to its correct structural shape.



Lipid
Protein
Nucleic acid
Carbohydrate

- Macromolecules that have the most Carbon to Hydrogen bonds hold the most amount of energy. Which macromolecule from the diagram above carries the most amount of energy? _____

2. Select the correct basic building blocks for each macromolecule.

- _____ build proteins
- _____ build polysaccharides
- _____ lipids
- _____ nucleic acids

3. Select the correct function for each macromolecule.

- Carbohydrates _____
- Lipids _____
- Proteins _____
- Nucleic acids _____

4. Select two factors that can cause an enzyme to malfunction or denature.

" _____ " _____

5. What is the main function of enzymes? _____

6. What would happen if enzymes were not present in chemical reactions? _____

7. Drag the term to its correct location in the enzyme-substrate complex below.

Enzyme
Active site
Substrate



Regents Prep Macromolecules

ML Yell



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