

Key:

## Chapter 19: Biochemistry

1. Define Biochemistry:

The Study of the Chemical Substances + the Processes they undergo.

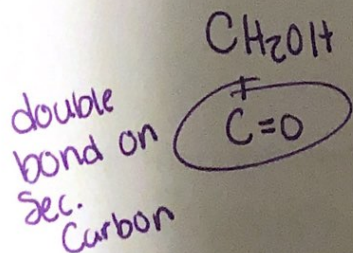
2. Carbohydrates provide short-term energy and storage. They can be

classified as: mono-, di-, and

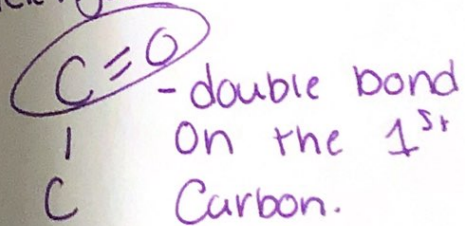
Poly saccharides.

3. Draw the difference between an aldehyde and a ketone.

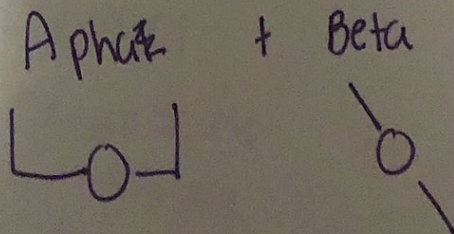
Ketone



Aldehyde



4. What are the 2 types of glycosidic linkages?



5. What are Lipids?

• used as long term energy

6. Saturated lipids are solids at room temperature, while unsat. are oils at room temperature.

7. What are proteins?

Polymers of amino acids

- Primary
- Secondary
- tertiary
- Quaternary

8. What are the two types of Nucleic acids?

DNA + RNA

9. What are enzymes?

Biological Catalyst

10. Describe the process of DNA replication.

Parent Strand-

- When the cell divides  
the DNA strand separates on  
strand of DNA ends up  
messenger RNA

messenger RNA

- Moves out of the cell's nucleus  
to a ribosome in the  
cytoplasm.