

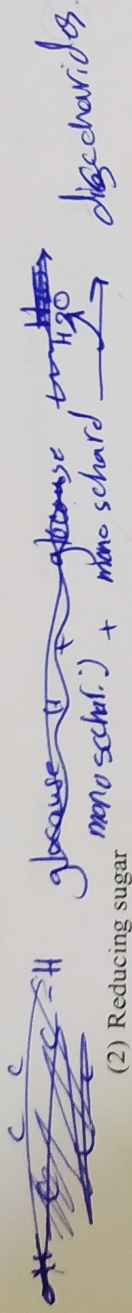
6) State the main difference between aldoses and ketoses

the difference between aldoses and ketoses is the location of carbon carbonyl

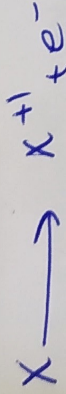
Explain the following: ~~mono saccharides~~ ~~two~~ ~~two~~ mono saccharides

(1) Dehydration reaction

compounds with each other lose the water when ~~two~~ ~~two~~ mono saccharides



(2) Reducing sugar



its the NADPH Reducing reagent

(3) Alkaline solution

(4) Polysaccharides

~~mono saccharides~~

lots of monosaccharides compound with each other thousand of monosaccharides

monosaccharide + monosaccharide + ...

Polysaccharides.

polysaccharide → starch the monomer of it is glucose

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Name and ID

[Redacted Name and ID]

Circle the correct answer

- 1) Fructose is a monosaccharide and it is an aldose.
 (A) TRUE (B) FALSE
- 2) The reagent that give positive result (purple color) when added to carbohydrates is called Barfoed's reagent.
 (A) TRUE (B) FALSE
- 3) Benedict's reagent differs from Barfoed's reagent in that it consists of mainly copper (II) ions in a strongly alkaline solution.
 (A) TRUE (B) FALSE
- 4) IKI reagent (from I₂/KI test) interact with reducing disaccharide such as glycogen, starch, and cellulose forming colored complexes.
 (A) TRUE (B) FALSE
- 5) A peptide bond is formed when two amino acids residues are combined by a hydration reaction.
 (A) TRUE (B) FALSE