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Chapter 8

2 messages

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Chapter 8

Due September 23

Aldoses always have 6 carbons.

- True
- False

Aldohexoses always have 6 carbons.

- True
- False

Ribose is a _____ epimer of xylose.

- C1
- C2
- C3
- C4
- C5

The anomeric carbon in aldoses is always _____.

- C1
- C2
- C3
- C4
- C5

The common modified sugar Glucosamine contains an amine group at what position?

- C1
- C2
- C3
- C4
- C5
- C6

Which of the following accurately describe the glycosidic bond in sucrose?

- glucose C1 --> fructose C1
- glucose C1 --> fructose C2
- fructose C1 --> glucose C4
- fructose C1 --> glucose C1

What is the difference between alpha and beta glycosidic bonds?

the stereochemistry at the anomeric carbon

Which common glucose polymer exists as a left handed helix?

- starch
- galactose
- chitin
- cellulose
- none of the above

What are biofilms and what are they typically made of?

extracellular matrices made by bacteria. They are made of highly hydrated polysaccharides

What sugars are important in the structure of peptidoglycans.

mannose, galactose, glucose, sialic acid, fucose

What amino acids are commonly glycosylated in glycoproteins?

N-linked = Asn O-linked = Ser or Thr

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What sugars are important in the structure of peptidoglycans. Select all that apply.

- GlcNAc
- Mannose
- Galactose
- Glucose
- Sialic Acid
- fucose
- None of the above.

What amino acids are commonly glycosylated in glycoproteins?

N-linked = Asn O-linked = Ser or Thr

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