Chemistry Formula Sheet

Chapter by chapter, topic by topic. Written by the PadhoNa team for quick revision.

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CHAPTER 30

Biomolecules

Carbohydrates

glucose $C_6H_{12}O_6$ (aldohexose); fructose (ketohexose); sucrose: non-reducing

α and β anomers differ at C-1; starch: α-glucose; cellulose: β-glucose

Proteins and amino acids

peptide bond –CO–NH–; zwitterion at the isoelectric point

essential amino acids are not made by the body

Nucleic acids and vitamins

DNA: deoxyribose, A–T and G–C; RNA: ribose, uracil instead of thymine

fat-soluble vitamins: A, D, E, K; water-soluble: B, C

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