

27.S: BIOMOLECULES - LIPIDS (SUMMARY)

CONCEPTS & VOCABULARY

- fulfill all of the detailed objectives listed under each individual section.
- define, and use in context, any of the key terms introduced in this chapter.

25.1 Introduction

- Carbohydrates are composed of carbon, hydrog

25.2 Classification of Carbohydrates

- Carbohydrates originate as products from photosynt

25.3 Fischer Projections

- The Fischer projection is a type of notation often used when multip

25.4 D,L Sugars

- To determine absolute configuration for carbohydrates, Emil Fischer started with an arb

25.5 Configurations of Aldoses

- The aldoses

25.6 Anomers

- The preferred structural form of mon

25.7 Reactions of Monosaccharides

- The -OH groups on a monosaccharide

25.8 The Eight Essential Monosaccharides

- The eight essential monosaccharides

25.9 Disaccharides

- Disaccharides are sugars composed of two monosaccharides

25.10 Polysaccharides and Their Synthesis

- Polysaccharides are very large polymers composed of many monosaccharides

25.11 Other Important Carbohydrates

- The backbone of DNA is based on a repeated disaccharide unit

25.12 Cell-Surface Carbohydrates and Influenza Viruses

- Carbohydrates are important in cell-cell communication

SKILLS TO MASTER

- Skill 25.1 Determine which molecules can be classified as carbohydrates
- Skill 25.2 Determine the absolute configuration of a chiral center

SUMMARY OF REACTIONS

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