

Chapter 7 – Carbohydrates and Glycobiology

7.1 Monosaccharides and Disaccharides

The following sub-sections are important:

- The Introduction
- The Two Families of Monosaccharides are Aldoses and Ketoses
- Monosaccharides have Asymmetric Centers
- The Common Monosaccharides Have Cyclic Structures
- Monosaccharides are Reducing Agents
- Disaccharides Contain Glycosidic Bonds

7.2 Polysaccharides

The following sub-sections are important:

- The Introduction
- Some homopolysaccharides Are Fuel Storage Forms of Fuel
- Some Homopolysaccharides Serve Structural Roles

7.3 Glycoconjugates: Proteoglycans, Glycoproteins, and Glycosphingolipids

The following sub-sections are important:

- The Introduction
- Glycoproteins Have Covalently Attached Oligosaccharides