

## Chapter 8 – Nucleotides and Nucleic Acids

### 8.1 Some Basics

The following sub-sections are important:

- The Introduction
- Nucleotides and Nucleic Acids Have Characteristic Bases and Pentoses
- Phosphodiester Bonds Link Successive Nucleotides and Nucleic Acids
- The Properties of Nucleic Bases Affect the Three-Dimensional Structure of Nucleic Acids

### 8.2 Nucleic Acid Structure

The following sub-sections are important:

- The Introduction
- DNA is a Double Helix that Stores Genetic Information
- Certain DNA Sequence Adopt Unusual Structures

### 8.3 Nucleic Acids Chemistry

The following sub-sections are important:

- The Introduction
- Double-Helical DNA & RNA Can be Denatured
- Nucleotides & Nucleic Acids Undergo Nonenzymatic Transformations
- Some Bases of DNA Are Methylated