Chapter 3 – Amino Acids, Peptides and Proteins

3.1 Amino Acids

The following sub-sections are important:

* The Introduction
* Amino Acids Share Common Structural Features
* The Amino Acid Residues in Proteins are L-Stereoisomers
* Amino Acids Can be Classifies by R-Group
* Amino Acids Can Act as Acids and Bases
* Amino Acids Have Characteristic Titration Curves
* Titration Curves Predict the Electric Charge of Amino Acids
* Amino Acids Differ in Their Acid-Case Properties

3.2 Peptides and Proteins

The following sub-sections are important:

* Peptides are Chains of Amino Acids
* Peptides Can be Distinguished by Their Ionization Behavior

3.4 The Structure of Proteins: Primary Structure

* The Introduction
* The Function of a Protein Depends on its Amino Acid Sequence