Chapter 27 – Protein Metabolism

27.1 The Genetic Code

All of the sub-sections are important.

27.2 Protein Synthesis

The following sub-sections are important:

* The Introduction
* Protein Biosynthesis Takes Place in Five Stages
* The Ribosome is a Complex Supramolecules Machine
* Transfer RNAs Have Characteristic Structural Features
* Stage 1: Amino-tRNA Synthetases Attach the Correct Amino Acids
* Stage 2: A Specific Amino Acid Initiates Protein Synthesis
* Stage 3: Peptide Bonds are Formed in the Elongation Stage
* Stage 4: Termination of the Polypeptide Synthesis Requires a Special Signal
* Stage 5: Newly Synthesized Polypeptide Chains Undergo Folding and Processing