Chapter 26 – RNA Metabolism

26.1 DNA-Dependent Synthesis of RNA
The following sub-sections are important:

- The Introduction
- RNA is synthesized by RNA Polymerases
- RNA synthesis Begins at Promoters
- Transcription of Regulated at Several Levels
- Specific Sequences Signal Termination
- Eukaryotic Cells Have Three Kinds of Nuclear RNA Polymerase
- RNA Polymerase II Requires Many Other Protein Factors for its Activity

26.2 RNA Processing
The following sub-sections are important:

- The Introduction
- Eukaryotic mRNAs Are Capped at the 5' End
- Both Introns and Exons are Transcribed from DNA to RNA
- RNA Catalyzes the Splicing of Introns. You do not need to know all the different mechanisms that are discussed in this section, just make sure you understand what splicing is, and the different classes of introns
- Eukaryotic mRNAs Have a Distinctive 3' End Structure
- A Gene Can Give Rise to Multiple Products by Differential RNA Processing