

*Recommended Review Material- Campbell and Reece, Biology, 7e*

**The Central Dogma (Genes to Proteins)**

Chapter 5 pp. 77-89 (Proteins and Nucleic Acids)

Chapter 17 pp. 311-319, 328-330, Figure 17.26 (From Gene to Protein)

Chapter 19 pp. 362-370 (The Control of Gene Expression)

**Molecular Biology**

Chapter 20 pp. 384-400 (DNA Technology)

**The Cell**

Chapter 6 pp. 94-121 (An Overview of the Cell)

Chapter 7 Figure 7.7 (Membrane Structure and Function)

Chapter 11 pp. 201-215 (Cell Communication)

[Chapter 43 pp. 912-913 (Antibody Structure)] (useful, but not necessary, for understanding immunostaining)

**Mitosis & Meiosis**

Chapter 12 pp. 218-226, 228-230 (Mitosis & Cytokinesis)

Chapter 13 pp. 240-247 (Meiosis and Sexual Life Cycles)

Chapter 46 pp. 969-978 (Spermatogenesis, Oogenesis and Hormones; we will review some of this)

**Overview of Development [redundant with reading from Gilbert]**

Chapter 21, pp. 411--432 (Genetics of Development)

Chapter 47 pp. 987-1008 (Animal Development)

*Recommended Review Material- Campbell and Reece, Biology, 8e*

**The Central Dogma (Genes to Proteins)**

Chapter 5 pp. 77-89 (Proteins and Nucleic Acids)

Chapter 17 pp. 325-330, 331-336, Figure 17.25 (From Gene to Protein)

Chapter 18 pp. 356-366 (The Control of Gene Expression)

**Molecular Biology**

Chapter 20 pp. 396-411 (DNA Technology)

**The Cell**

Chapter 6 pp. 94-122 (An Overview of the Cell)

Chapter 7 Figure 7.7 (Membrane Structure and Function)

Chapter 11 pp. 206-225 (Cell Communication)

[Chapter 43 pp. 936-937 (Antibody Structure)] (useful, but not necessary, for understanding immunostaining)

**Mitosis & Meiosis**

Chapter 12 pp. 228-236, 238-241 (Mitosis & Cytokinesis)

Chapter 13 pp. 248-2607 (Meiosis and Sexual Life Cycles)

Chapter 46 pp. 1003-1014 (Spermatogenesis, Oogenesis and Hormones; we will review some of this)

**Overview of Development [redundant with reading from Gilbert]**

Chapter 20, pp. 412-416; Chapter 21, pp. 445-447 (Genetics of Development)

Chapter 32, p. 655; Ch. 47 pp. 1021-1046 (Animal Development)