

Biology 3 Lecture and Reading
(also available at www.pcmsusa.org - Biology 3 link)

Campbell Essential Biology with Physiology by Simon, Dickey, and Reece, 5th Ed.

Biological Patterns by Farris et al., 12th Ed.

You will need a set of headphones **NOT iPhone jack.**

Week	Topic	Reading
Aug . 27	Introduction, Scientific Method, The Nature of Life and Natural Selection	Ch 1 (4-15); 13 (253-255)
Sept. 3	Systematics (classification) and the Chemistry of Protoplasm	Ch 13 (244-252) Ch 2 (24-31); 3 (38-48)
10	The Chemistry of Protoplasm, Enzymes, Levels of Biological Organization, Cell Theory and Cell Structure and Function	Ch 4 (64-66); Ch 5 (80)
17	Energetics, Photosynthesis, Respiration and Cell Membrane Transport; Plant Evolutionary Trends	Ch 5 (76- 86); 6 (92-102) Ch 7 (108-113)
21	Mid-Term Examination I	
28	Plant Structure and Function Plant Reproduction and Dispersal	Ch 28; 29
Oct. 1	Humans Biology, Organs Systems: Circulation, Respiration and Digestion	Ch 21 (456-457); Ch 22; 23;
8	Organ Systems: Kidney Physiology	Ch 21 (469)
15	Organ Systems: Nervous System	Ch 27
22	Mid-Term Examination II	
29	Organ Systems: Reproductive and Hormones	Ch 25; 26
Nov. 5	Sexually Transmitted Diseases, Meiosis and Mendelian Genetics	Ch 26 (560-561, 529) Ch 9 (146-154, 158-163)
12	Molecular Basis of Inheritance and Protein Synthesis	Ch 10 (171-184)
19	Development	Ch 11 (205-208)
26	Ecology: Biomes, Ecosystems, Communities and Populations	Ch 18; 19; 20
	Final Exam	