

Biology 3 Lecture and Reading  
(also available at [www.pcmsusa.org](http://www.pcmsusa.org) - Biology 3 link)

Campbell Essential Biology with Physiology by Simon, Dickey, and Reece, 6<sup>th</sup> Ed  
Biological Patterns by Farris et al., 12<sup>th</sup> Ed.

You will need a set of headphones for the first day **NOT iPhone jack.**

<b>Week</b>	<b>Topic</b>	<b>Reading</b>
Aug . 27	Introduction, Scientific Method, The Nature of Life and Natural Selection	Ch 1 (7-15); <b>13 (253-255)</b> ; 14 (285-288)
Sept. 3	Systematics (classification) and the Chemistry of Protoplasm	Ch 13 (244-252) Ch 2 (24-32); 3 (38-50)
10	The Chemistry of Protoplasm, Enzymes, Levels of Biological Organization, Cell Theory and Cell Structure and Function	Ch 4 (58-70); Ch 5 (80) Ch 8 (130-140)
17	Energetics, Photosynthesis, Respiration and Cell Membrane Transport; Plant Evolutionary Trends	Ch 5 (76- 86); 6 (92-103); Ch 7 (108-114); Ch 16 (318)
21	<b>Mid-Term Examination I</b>	
28	Plant Structure and Function Plant Reproduction and Dispersal	Ch 28; 29
Oct. 1	Humans Biology, Organs Systems: Circulation, Respiration and Digestion	Ch 21 (456-464); Ch 22; 23; Ch 25 (545-547)
8	Organ Systems: Kidney Physiology	Ch 21 (469)
15	Organ Systems: Nervous System	Ch 27
22	<b>Mid-Term Examination II</b>	
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 (172-185); Ch (205-202); Ch 9 (160-164)
19	Mitosis and Development	Ch 8 (122-129) (Ch 11 (205-208)
26	Ecology: Biomes, Ecosystems, Communities and Populations	Ch 18; 19; 20
	<b>Final Exam</b>	