

**AP Biology
Summer 2018 Assignment**

1. Open one or both of the links below and read the course description and/or course overview for AP Biology from the College Board:

<http://media.collegeboard.com/digitalServices/pdf/ap/ap-biology-course-and-exam-description.pdf>

<http://media.collegeboard.com/digitalServices/pdf/ap/13b-7589-AP-Biology-ADA-v0.1.pdf>

2. Read this article: “*The Principle Elements of the Nature of Science: Dispelling the Myths*” by McComas found on the web at (if this link does not work, google-search the title, it is available from several links):

<http://coehp.uark.edu/pase/TheMythsOfScience.pdf>

Write a summary of the material presented. Be prepared to answer questions.

3. Complete the following assignments from your textbook (Biology, Campbell) prior to the first day of class. You can get a copy of the text from room 2-110 before school ends.

Chapter 1

- a. Read the chapter, take notes as needed
- b. Page 22, answer the “What if?” question at the end of the figure 1.27 sidebar. Be sure to read the experiment, results, and conclusion before answering.
- c. Page 27 answer questions 11, 12, and 13, in sentence form where appropriate.

Chapter 2

- a. Read the chapter, take notes as needed
- b. Page 31, answer the “What if?” question at the end of the figure 2.2 sidebar. Be sure to read the experiment, results, and conclusion before answering.
- c. Page 45 answer questions 10, 11, and 12, in sentence form where appropriate.

Chapter 3

- a. Read the chapter, take notes as needed
- b. Page 55, answer the “What if?” question at the end of the figure 3.11 sidebar. Be sure to read the experiment, results, and conclusion before answering.
- c. Page 57 answer questions 10, 11, and 12, in sentence form where appropriate.

Chapter 4

- a. Read the chapter, take notes as needed
- b. Page 59, answer the “What if?” question at the end of the figure 4.2 sidebar. Be sure to read the experiment, results, and conclusion before answering.
- c. Page 67 answer questions 8, 9, and 10, in sentence form where appropriate.

4. **Be prepared to take a test on the material covered in this summer assignment on the first day of school.**

5. You will need a lab notebook for all lab work next year. The notebook should have carbonless duplicate pages, one page will stay in the notebook and the duplicate will be turned in for grade. Amazon.com has a number of different brands with varying prices.. There are different brands and types but be sure to get one with carbonless duplicate pages. Here is a link to an example of this item: http://www.amazon.com/Life-Sciences-Student-Lab-Notebook/dp/1930882351/ref=sr_1_10?ie=UTF8&qid=1401364092&sr=8-10&keywords=carbonless+lab+notebook

6. Summer contact info: contact me by email at pleonard@pasco.k12.fl.us. I should be able to answer any questions this way.