

Mr. Schuster's AP Biology Summer Assignment 2018-19

Text: Reece, J. B., Urry, L., Cain, M., Wasserman, S., Minorsky, P., & Jackson, R. (2011). *Campbell biology* (9th edition; International edition.). Harlow: Pearson Education.

Class Materials: Please acquire a one-and-one-half inch (or larger) three-ring, “D-ring” style notebook, several index dividers, and college-ruled filler (loose-leaf) notebook paper. Bring these materials to the first day of class. Additional course requirements and class materials will be presented to you during the first week of class. This includes a “yellow study guide”.

Suggestion/Forewarning: Pace yourself as you work through this assignment. Do not procrastinate! Read and understand the assignment carefully before you begin working on it. *This complete assignment is due the first day of class. Late work is not accepted. Always follow the directions very carefully. Adjust your efforts on the side of caution.*

The Assignment:

Please read for understanding the four chapters of your textbook listed below. These are easily among the most comprehensible chapters in the text; nonetheless, they deserve a careful reading. The chapters comprising your reading include:

- Chapter 1: Introduction: Themes in the Study of Life,
- Chapter 2: The Chemical Context of Life,
- Chapter 3: Water and Life, and
- Chapter 52: An Introduction to Ecology and the Biosphere

To better appreciate and efficiently read a biology text, or any science textbook, follow the following scheme precisely. Make sure to initial each numbered item as you accomplish it.

- _____ 1) Make sure to read and comprehend the title pages and overview for each of the 4 chapters.
- _____ 2) Notice that each chapter is also predicated with a list of Key Concepts. Read and understand them. There are four key concepts for Chapters 1 and 2, but only three for the Chapter 3. Chapter 52 has 4.
- _____ 3) After reading the title page and the key concepts, please read the Chapter Summaries located at the end of each chapter. Construct a written list of the concepts, ideas, and vocabulary that you predict will be challenging. Why would you read the summary first? {include in submission}
- _____ 4) Now flip through each chapter’s pages. Read each figure and its caption. Ask yourself and answer: “why did the author include each figure *and* which figures are central to understanding each section”?
- _____ 5) Now read each chapter. Use sticky notes to mark significant passages. Write on the note WHY you placed it there. (If this were a college class, you would own your text and you would annotate it as you read.)
- _____ 6) Go to the Wilsonville Staff page, search for Schuster, and finally find and click the link to my AP Biology Website. Download and print the class expectations from the “Getting Started” page. Read, sign (your parents too) and bring your signed copy to class. Follow the instructions to gaining access to www.masteringbiology.com.
- _____ 7) Next, go to the “Summer Assignment” page of the blog. Download, print, complete and bring the three Tables you are to complete for Chapter 1, and the two guided readings, one for Chapters 2 and one for Chapter 3. Complete them as is instructed on the top of each downloaded page. Find, download, print and complete the Chapter 52 Guided Reading. In order to complete each item, you will reread the chapters. This second reading will help you to earn at least a “C” on the first exam. You will take this exam during the first week of school. {include}
- _____ 8) Reread the Chapter Summaries. How does your second reading of them compare to #3 above?
- _____ 9) Practice for the exam by reading and completing each level of the “test your understanding” questions located at the end of each chapter. They are good fodder for the exam.
- _____ 10) Log into www.masteringbiology.com. Find Aug 27 on the calendar (the first day of school). Click on and complete all 6 assignments, starting with “Introduction to MasteringBiology”.
- _____ 11) Submit this form upon your return with the {included} pages, tables and guided readings attached in a logical order. This packet is due the first class meeting in August. Late work is not accepted.