

AP Biology Summer Assignment 2019-20

Required Text: “*Biology*”, Campbell & Reece, 6th ed. Publisher Benjamin Cummings
Text will be supplied by MRHS pick it up in S6 or contact Mr. Sarno
Text can also be purchased for a few dollars at Amazon or similar online sources if preferred to own your own copy for use in college.

Supplemental Texts NOT required: “Student Study Guide for Biology” 6th ed., Taylor
Publisher Benjamin Cummings
“ Student Workbook AP Biology 1 and AP Biology 2” Biozone

I have divided the Summer Work up into two parts for you.

I. Early Summer: Ecology

Read Ch. 50 Intro to Ecology

Ch. 52 Population Ecology

Ch. 54 Ecosystems

Complete Ecology Unit Test which will help you to focus your readings. This Assessment will be turned in when school begins. We will begin with ecology based laboratories in September. **Obtain the Ecology Unit Test from Mr. Sarno in room S-6 or find it in the Guidance Office during the summer.**

II. Late Summer: Chemistry

Read Ch. 2 Chemistry of Life

Ch. 3 Water & the Fitness of the Environment

Ch. 4 Carbon & Molecular Diversity

Ch. 5 Structure & Function of Macromolecules

Complete a quiz assessment for each of these chapters to be graded & collected when school begins. Complete the self-quiz at the end of each chapter in a notebook to be reviewed in class. Be prepared for a Unit Test in Chemistry which includes the first 5 chapters by the second week of school. This should be a review of your Introductory Chemistry & Organic chemistry knowledge. **Obtain 4 Quizzes from Mr. Sarno in S6 or Guidance during the summer.**

Info: This **fast paced course** requires a great deal of independent work. **Reading for understanding and making connections between topics** is vital to being successful in science and Biology. Biology is an application science utilizing many other core science disciplines such as Chemistry, Physics and even Geology. A greater appreciation for many biological concepts that we will cover in this course will come from your preparation in Chemistry & Honors Biology last year. I suggest you review your past notes in Chemistry & Biology and begin using a good notebook and a dictionary while reading this text since it can be rigorous.

Students who score the highest on the AP exam are those who do the work and independently read for understanding. They read ahead, complete all work on time, participate at high levels during class and miss class infrequently. Good luck with the work and the next academic year. If you have ANY questions email jsarno@mainlandregional.net. I will be happy to help you with any problems you may be experiencing either with Ecology or Chemistry. Have a great summer!!

****Assignments: ALL ASSESSMENTS MUST BE PICKED UP AT GUIDANCE DURING SUMMER MONTHS
OR IN S6 DURING THE SCHOOL YEAR**

**** Assignment: Complete Ecology Test & the Chapter Quizzes on Chem & Biochemistry**

**** Be prepared... Test Ch 1-4 Biochemistry is scheduled for 1st or 2nd week of school.**