

ERHS AP Biology ~ 2022-2023 Summer Assignment

To all ERHS AP Biology Students and their Parents:

May 2022

Welcome to Advanced Placement Biology. I have put together this AP Biology Course Outline to help guide you through what will be a very challenging, yet rewarding, course. AP Biology is an extremely self-directed class that will require time management and organizational skills from everyone. We will be covering the material in a college-level textbook and we will be doing 12, in-depth, labs over the course of the year.

What we have ahead of us is a demanding task. The course description, as set forth in the AP course handbook states: The AP Biology course is designed to be the equivalent of a college introductory biology course taken by biology majors during their first year. As a consequence, we will be covering, on average, a chapter a week out of a college-level textbook for the entire year. The end result will be a much deeper knowledge of biology and (hopefully) a passing score on the AP Biology exam, which might lead to receiving college credit for all of your hard work.

Please understand that YOU, way more than I, will determine your success in this course. The course goes at a rapid pace for the whole year and nothing less than your full attention will be needed to keep your head above water.

I expect that all of you will have all of the required materials (see AP Biology Syllabus) on the first day of class and that these materials will be brought to class daily. Due to the COVID-19 school closer we will be checking out your AP Biology textbook when school resumes.

Below you will find the AP Biology Summer Assignment which is due the first day of class. In addition to completing the Chapter 1 and 2 written work, you should also be ready to discuss the information in these chapters on the first day of class.

If you have any questions about the AP Biology course, then please email me at rwingerden@smjuhsd.org. I also have a website at <http://www.rwingerden.com/apbio/> which you may find helpful. I am grateful for the opportunity to be your instructor and am looking forward to working with each of you next year as we explore the dynamic world in which we live.

~ R. R. Wingerden

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Ms. Wingerden's AP Biology Summer Assignment 2022-2023

The AP Biology Summer Assignment should be **ORIGINAL** work and *handwritten*. This assignment is **due at the start of class on the first day of class of the 2022-2023 school year**.

1. Read **CHAPTER 1: The Study of Life p. 9-40** (<http://www.rwingerden.com/doc/ap/other/ch01.pdf>)

Then complete the following:

- REVIEW QUESTIONS 1-11 on pages 37-38
- CRITICAL THINKING QUESTIONS 12-17 on pages 38-39
- TEST PREP FOR AP® COURSE 18-23 on pages 39-40

2. Read **CHAPTER 2: The Chemical Foundation of Life p. 41-83** (<http://www.rwingerden.com/doc/ap/other/ch02.pdf>)

Then complete the following:

- REVIEW QUESTIONS 1-18 on pages 79-81
- CRITICAL THINKING QUESTIONS 19-28 on pages 81-82
- TEST PREP FOR AP® COURSE 29-30 on pages 82-83

Please note, **FOR FULL CREDIT** each REVIEW, CRITICAL THINKING, and TEST PREP FOR AP® COURSE QUESTION response for Chapter 1: The Study of Life AND Chapter 2: The chemical Foundation of Life **should include**: **Chapter Number** and question **Section Title**, **Question Number**, **Letter Choice** for that question, and the **Page Number** where you found the chapter reading you used to support your letter choice.