

# Summer Assignment Directions

Advanced Placement Biology - Walton High School

## SUMMER ASSIGNMENT

*ALL assignments are DUE on:*

August 2nd, 2026 at 11:55 PM EST (The day before school starts.)

## Part 1: Class Materials and Organization

- **Any approved calculator:** four-function, scientific or graphing. For more information, see the College Board rules:  
<https://apstudents.collegeboard.org/exam-policies-guidelines/calculator-policies>
- **Class Binder:** Purchase one 1 or 1 ½ inch 3-ring binder for all course materials. The outside cover should be labeled with your NAME and AP BIOLOGY. You should bring your class notebook with you on the first day of class and be prepared to answer questions about the summer assignment. The AP Formula Sheet and Syllabus should be printed and placed in the beginning of the binder.  
<https://apcentral.collegeboard.org/media/pdf/ap-biology-equations-and-formulas-sheet.pdf>

## Part 2: Problem Set

You must follow Walton's **HONOR CODE** for this assignment and all assignments in this class. In the past, I have had students break the Honor Code on the summer assignment and it is not a good way to start the school year. I am aware that most of the multiple choice questions are available online (many come from the Rice University course that is referenced on the videos). I will never grade multiple choice questions that I assign for homework for accuracy because the answers are usually too easy to find. In fact, most of this summer assignment will be graded on completion including long answer questions; therefore, answer using **your brain**. This is for practice for the class and the first test. Use it wisely. If you copy directly from the text, from an online resource, AI generated answers, or from another person in long answer questions, you will receive an honor code violation. If you do not attempt to answer using your own brain and you only copy multiple choice question answers, you are wasting your time and mine. AP Biology requires a lot of practice and studying. If this is too much work to prepare for the class, then you should reconsider your choice to take this class.

1. Read the **syllabus**.  
<https://docs.google.com/document/d/17JxJEpOnsfS7wFDQOBgnAGg3rBUVI AJ9Cs9TaGyM3LI/edit?usp=sharing> . You will submit a form at the beginning of the year showing that you and your parents agree to this.
2. Review the College Board AP Biology course description:  
<https://apcentral.collegeboard.org/media/pdf/ap-biology-course-and-exam-description.pdf>
3. Take a look at the formula sheet that you are allowed to use on the AP test. Some of the questions in the following problem set use these formulas.  
<https://apcentral.collegeboard.org/media/pdf/ap-biology-equations-and-formulas-sheet.pdf>
4. Complete the assignments posted on Formative labeled 1.01 to 1.11 found in the summer assignment section. These contain questions that are multiple choice, paragraph response or involve calculations. Most of the material in this assignment should be a review of previous class content from either Honors Biology or AP Environmental Science. You do not need to do them in order. The other assignments 2.1 and so on are optional except for STEM students -- see further directions below. To review the content:
  - o Watch the videos posted on each quiz or read the Chapter 1,2, 35, 36, 37, 38\*\* in OpenStax Biology for AP Classes (<https://openstax.org/books/biology-ap-courses/pages/35-introduction> ). We will be using the Campbell Biology eText and access will be given later. If you have already have a copy, this material is

found in chapters 1, 2, 52, 53, 54, 55\*\* of the Campbell Biology eText (11th edition). These chapters cover an introduction to biology, and a unit on Ecology. The OpenStax book and Campbell book cover the same information.

***\*\*Important: These chapters will NOT be covered in class. The information in these chapters is considered to be prerequisite knowledge for entrance into AP Biology. Therefore, you will be responsible for the understanding of these chapters on your own.***

## STEM

Stem students are REQUIRED to complete the following assignments in addition to the above assignment. Non-STEM AP Biology students are encouraged to read or complete the following for enrichment (The book is really good and an easy read!).

### Advanced Math and Science

- Since you have not taken a complete Biology course in the past [since 7th grade], I put up other videos and assignments that you must complete on chemistry and basic cell membranes (2.1 to 2.3). These will help you get familiar with these topics before class, but they will not be on the first test.
- Read the book title The Hot Zone by Richard Preston. Complete the assignment called STEM Reading Assignment. I recommend the eBook version, so you can annotate and make bookmarks.  
[https://www.amazon.com/Hot-Zone-Terrifying-Story-Origins-ebook/dp/B007DCU4IQ/ref=sr\\_1\\_1?s=digital-text&ie=UTF8&qid=1526045325&sr=1-1&keywords=the+hot+zone](https://www.amazon.com/Hot-Zone-Terrifying-Story-Origins-ebook/dp/B007DCU4IQ/ref=sr_1_1?s=digital-text&ie=UTF8&qid=1526045325&sr=1-1&keywords=the+hot+zone)

### Biomedical STEM

- Complete the Formative called STEM Biomed Human Research Protection Training.
- Read the book titled The Hot Zone by Richard Preston. Complete the assignment called STEM Reading Assignment. I recommend the eBook version, so you can annotate and make bookmarks.  
[https://www.amazon.com/Hot-Zone-Terrifying-Story-Origins-ebook/dp/B007DCU4IQ/ref=sr\\_1\\_1?s=digital-text&ie=UTF8&qid=1526045325&sr=1-1&keywords=the+hot+zone](https://www.amazon.com/Hot-Zone-Terrifying-Story-Origins-ebook/dp/B007DCU4IQ/ref=sr_1_1?s=digital-text&ie=UTF8&qid=1526045325&sr=1-1&keywords=the+hot+zone)

### Engineering STEM

- Complete the Biomedical STEM assignments.

All assignments discussed above will be found on Formative for the year 2024-2025.

***The first unit test will cover these chapters (except 2.1-2.3) and will be on Friday, August 7th.***

If you have any questions regarding the assignments, you can post a message to Mr. Wolfe. Or you can email and I will do my best to get back to you in a timely manner regarding your questions.

I hope you enjoy your summer primer. Maybe, this primer will initiate much more than just DNA replication :)

Thank you. Have a great summer!

Mr. Wolfe (Douglas.Wolfe@cobbk12.org)