

Advanced Placement Biology

Hargrave High School Summer 2024 Assignment

Hi!

Welcome to Advanced Placement Biology at Hargrave High School! The purpose of this assignment is to give you an opportunity to show that you are proactive and will not need constant supervision to complete and submit quality work on time. *What you get out of this class will be based on what you put into this class.*

In Advanced Placement Biology, you will have homework on a regular basis, challenging assignments in class, projects to be completed individually at home as well as some completed at school with a group, and you will be required to present projects in front of classmates. Your exams will require you to study for several days in advance and will be more thought-provoking than most course exams you have taken. You may also find that you need to attend tutorials to better understand the content we cover in class.

We will cover an incredible amount of material in AP Biology and this summer project is 1) to familiarize you with the format we will use, 2) indicate your ability and willingness to put in the required effort for the class, and 3) get a jumpstart on some of the material for this course. This unit, Ecology, is some of the easiest material and you should recognize much of it from previous years in life science classes.

All parts of this summer project will be due the first few days of school, but you need to complete it over the summer so that you are not stressed when school starts.....when school does start, you will have assignments from class starting the first day, so it is a good idea to get these finished and out of the way! Use the QR code below to access the digital links.

All items which are attached in this packet should be printed and handwritten – and your handwriting should be legible; typed responses will not be accepted. Also, remember for advanced students, one day late is a maximum of 70%, two days late is a maximum of 50%, and assignments will not be accepted after the 2nd day – a ZERO is entered in the gradebook without the option for makeup – *so, pay attention to your due dates!!*

Biology Supplies – *bring these items on the first day of school*

- ONE – 1.5-inch, 3-ring binder (see example [here](#))
- TEN dividers (with pockets beneficial; see examples [here](#))
- Several packages of notecards (recommended; any size; will need more as year goes on)
- Pens, pencils, erasers (recommend a variety of colored pens but not required)

Although I will not be teaching this course next, if you have questions about any part of this assignment over the summer, you contact me at ckuchan@huffmanisd.net. However, be aware I will not check my email every day this summer; so if you don't hear back from me, be patient -- I will check daily starting August 1, 2023.

Best wishes,

Mrs. Catherine Kuchan
Biology Department
Hargrave High School



Assignment:

Do not procrastinate on this assignment but also don't let it keep you from having a wonderful summer!!! This assignment consists of several parts – plan accordingly – they are all due the first few days of school. All of the material should be **written in your handwriting**. To access almost all of the assignments, you may need to be logged into your **school Google account**. This summer assignment will comprise **three (3) daily grades**.

Assignment Name	Instructions	Due Date	Points Available	Points Earned
Class supplies <i>*Extra Credit if brought 1st day*</i>	See supplies list above; we will set up notebooks the first week	Wed, Aug 7th	EC	
Getting to Know You! <i>*30% of 1st daily grade*</i>	Use the questions below to introduce yourself	Wed, Aug 7th	30	
Prefixes/Suffixes <i>*30% of 1st daily grade*</i>	Complete the worksheet below to familiarize yourself with key prefixes and suffixes used all year in AP Bio.	Thursday, Aug 8th	30	
Unit 8 Notes <i>*40% of 1st daily grade*</i>	Use the Unit 8 Presentation and the Unit 8 Student Notes – this will create a notes packet for you for Unit 8.	Friday, Aug 9th	40	
Vocabulary cards <i>*Extra Credit if brought 1st day*</i>	Using index cards and the vocabulary list , create vocabulary cards; see directions on link	Friday, Aug 9th	EC	
Read OpenStax Chapters 35 – 38	Go to OpenStax AP Biology Textbook ; read chapters 35, 36, 37, and 38. Then, answer the associated questions (do solo, not group work); see links below.	-----	-----	-----
Answer OpenStax Chapter 35 Questions <i>*Half of Grade with Ch 36*</i>	Go to each link and answer the chapter questions; must be logged into your school Google account for access. Chapter 35 Questions	Monday, Aug 12th	50	
Answer OpenStax Chapter 36 Questions <i>*Half of Grade with Ch 35*</i>	Go to each link and answer the chapter questions; must be logged into your school Google account for access. Chapter 36 Questions	Monday, Aug 12th	50	
Answer OpenStax Chapter 37 Questions <i>*Half of Grade with Ch 38*</i>	Go to each link and answer the chapter questions; must be logged into your school Google account for access. Chapter 37 Questions	Tuesday, Aug 13th	50	
Answer OpenStax Chapter 38 Questions <i>*Half of Grade with Ch 37*</i>	Go to each link and answer the chapter questions; must be logged into your school Google account for access. Chapter 38 Questions	Tuesday, Aug 15th	50	

Getting to Know You! (30% of daily grade)

Neatly, on notebook paper, answer the following questions; use complete sentences. Use pen (black, blue, or a variety of colors); do not use pencil or red ink. **Leave one line between answers.**

1. What is your full name (and nickname if you go by one)?
2. What do you like to do in your free time that is not related to school (hobbies, interests, etc.)?
3. Why are you taking AP Biology? What do you hope to gain from this course this year?
4. Do you have a job now or plan on getting a job during the school year?
5. Do you plan (as of now) to take the AP Biology National exam?
6. How many AP classes have you taken so far? How many AP classes are you taking this year (please list)?
7. In which extracurricular activities are you involved? Any non-school activities (e.g. church, scouts, etc.)?
8. Name an interesting fact about yourself that makes you unique. (How will I remember you?)
9. Give me three academic goals for this year – they don't have to involve this class.
10. What are you thinking about doing after graduation – work, military, school?
11. Where do you see yourself in 5 years? In 10 years?
12. What is your #1 choice college? What other schools are you considering?
13. If you go anywhere in the world, where would you go. And why?
14. What is one activity you have not done that you hope to try someday (e.g. climb Mt Everest)?
15. Please tell me anything you would like me to know about health issues, seating, learning needs, job expectations or responsibilities outside of school, etc. If there is anything I can do to help you achieve your goals, I want to be able to do that.

Biology Prefixes and Suffixes (30% of daily grade)

Learning the roots of words will help you better understand science terminology throughout the year. Look up the meaning of each prefix and suffix below and give an example of how they are used.

All of your examples should NOT be the same as a fellow student. Be prepared to take a quiz over these roots within the first two weeks of class (along with your vocabulary quiz). You can print this list or write (neatly) on notebook paper; it will be put in your notebook for reference.

Prefix/Suffix	Meaning	Example Using Prefix/Suffix
A/an-		
Amine		
Anti-		
Auto-		
Bi-		
Cyto-		
Di-		
Glyco-		
Hemi-		
Hetero-		
Homo-		
Hydr-		
Hyper-		
Hypo-		
Inter-		
Intra-		
Iso-		
Mono-		
Poly-		
Photo-		
Pro-		
-philic		
-phobic		
-sacchar		