

Advanced Placement Biology 2018-2019 Summer Assignment

Linnartz

Welcome!

Welcome to AP Biology. This is a college-level course taught with the rigor and expectations of an equivalent freshman course. In order to move quickly through the content, perform multiple in-depth labs, and prepare for success on the AP exam, it is imperative that you are well-prepared to begin the fall semester. This summer assignment is designed to give you a head-start on the path to success. The various tasks I expect you to complete require that you purchase **Barrons AP Biology, 5th edition by Deborah T. Goldberg.** You must have Internet access to complete this summer assignment. The public library is a good resource for this if you do not have access at home. You will always have this resource available to you on campus during the school year. **Your summer assignment will be due on the second day of school. Assignments turned in one (1) day late will receive a 50% penalty. Late registrants or move-ins will receive information from their counselor.**

Please become familiar with the College Board website, particularly the AP Biology Home page at http://apcentral.collegeboard.com/apc/public/courses/teachers_corner/2117.html. Many colleges offer credit for their introductory biology class to students who receive a score of a 3, 4 or 5 on the AP test. Please discuss transfer or acceptance of grades with the college or university you plan to attend.

You will be using my school website for many lessons and activities over the summer and throughout the school year. Please become familiar with its organization and layout so you can easily find resources, tasks, and links to our Google Classroom at <https://sites.google.com/guhsdaz.org/plinnartz/home>. If you have questions over the summer, you may email me at pandora.linnartz@guhsdaz.org. Please put your name and period number in the subject line. I will check my email on a weekly basis over the summer, so do not stress out if I do not get back to you right away. Plan ahead—do not wait until the last week to complete this work. If you do a little at a time, it will not be overwhelming and you will be well-prepared to begin the course in August. I look forward to working with you and helping you make your AP Biology class a fun and engaging challenge.

Your assignment:

1. Read Chapter 4 in the biology textbook on Cells. Practice the concepts checks at the end of each section, the vocabulary quiz, and practice test at the end of the chapter. Again, these will prepare you for the discussions we will have your first week back to school, as well as the quiz. **You MUST know cells well- this is prerequisite to this course and should be a review for you.**
2. Study the Ecology I-V vocabulary lists from Quizlet- links are found on my website under Unit 1: Ecological Systems and Animal Behavior. Print (glossary or table form is best) these lists so you can highlight, annotate, and write notes in the margins—something to show me you have been studying and learning this vocabulary. Be prepared to turn them in as evidence of your studying.
3. Watch the Ecosystems video from Bozeman Biology (link on my website). Write a page summarizing your learning AND giving your impression. This should include your independent thoughts and reflections relating new learning to something you already knew or experienced. This analysis is where you will demonstrate your true learning and synthesis of ideas.
4. Read Chapters 40 and 41 in the biology textbook (e-text you signed up for before the end of school). Practice concepts checks after each section, the vocabulary quiz, and practice test at the end of each chapter. These will prepare you for the discussions we will have your first week back to school, as well as the quiz you will have over your summer assignment on the second day of class.

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5. Read Barron's, pgs 283-301. Annotate in margins, highlight, and make notes to yourself. Understand all you read and do further research on your own on concepts you do not understand. Create a handwritten outline (as many pages as it takes) of notes, key points, and concepts. This should look like a study guide based on the reading. **It must be handwritten; typed responses will not be accepted.** It should be very detailed and include content from **both the textbook chapters and Barron's.**
6. Complete the electronic textbook assignments assigned in your online course. There are FIVE different assignments you must submit electronically—the first one is due July 22 so do NOT wait until the last week of summer to look at this work or you will miss the deadlines. You must log into the course as instructed before you left for school, click on Assignments, and complete the work that is due prior to the first day of school. Work cannot be submitted after electronic due dates, so plan ahead.

Returning to school: I look forward to meeting you on the first day of school. On Monday, classes are short. You will receive the Course Requirements and Lab Safety Contract, meet your classmates, and become familiar with classroom procedures.

On the second day of school (Tuesday):

1. Turn in your summer assignment, all pages stapled together, with your name, date, and period in the top right hand corner, in this order:
 - a. Printed vocabulary lists from Quizlet—remember these must exhibit evidence of your studying (i.e. highlighting, annotation, notes in the margins)
 - b. Ecosystems video summary and reflection
 - c. Study guide/outline from the reading assignment

** I will already have received your online submissions through your electronic textbook course. You do not need to turn in anything extra for these assignments.

2. Be prepared for a quiz over any material from the summer assignment. Know all ecology vocabulary, major concepts from the reading and activities you worked on over the summer (ecology and cells). This will be your first quiz grade in the gradebook.
3. Have necessary materials: 3-ring binder with notebook paper and dividers, pens, pencils, and highlighters. If you would like to check out a physical copy of the textbook, you may do so the first week of school at the bookstore, otherwise you will be expected to use the e-text for the year. You may leave your Barron's book at home. I will alert you on the days you need to have it in class.

If you find an assignment confusing or challenging, I expect you to recognize you need more practice, and find resources on your own, to further your understanding—be proactive. Search the Internet, study your textbooks, visit the library, or check out the useful websites on my SHS website. Do not wait for me to tell you how to study. If all else fails, remember you may email me at the above address for guidance.

See you soon! ☺Mrs. L