

AP Biology Summer Assignment 2016-2017

WELCOME TO AP BIOLOGY! ☺

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I hope you are looking forward to an exciting year! Since this is a college level course, it will be rigorous and will demand time both in and out of the classroom. If you're up to the challenge, get started by completing the following assignment prior to the beginning of the school year. It will be collected on the first day of school and will count as your first grade! Don't wait until the end of the summer to complete the assignment - pace yourself!

1. Find an online site that gives a free learning style assessment. (Use one of the search engines and type in "learning styles survey" or "learning styles".) Take one of the free tests to find what your learning style is. Once you see your results, find a few suggestions for how to study based on your particular learning style. Write down your learning style (ex: Visual, Kinesthetic, Auditory, Logical, etc.) and some "suggestions" given. We will discuss these during the first couple of days of class.

2. The College Board recognizes 4 BIG IDEAS in Biology. Briefly describe each of these big ideas in your own words and give an example for each.

Big Idea 1: The process of evolution drives the diversity and unity of life

Big Idea 2: Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic homeostasis

Big Idea 3: Living systems store, retrieve, transmit, and respond to information essential to life processes

Big Idea 4: Biological systems interact, and these systems and their interactions possess complex properties

3. Answer the questions from each of the 5 Chapter Reading Guides that follow. In order to get to the links for the reading guides, go to the following website:

http://www.biologyjunction.com/campbell_8th_edition_reading_gui.htm

You will be choosing Chapters 1, 2, 3, 4, and 5. Print out the reading guides and handwrite the answers to each question (answers are found in your textbook). Make sure you attempt the self-quiz at the end of each reading guide! (If for some reason this above link does not work, you can find the reading guides in many places on the internet - just Google "Campbell 8th edition AP Biology Reading Guide") You will have a test on these 5 chapters during the second week of the new school year.

4. Watch seven Bozeman Science videos that explain the "AP Biology Practices" at the following link <http://www.bozemanscience.com/ap-biology> . These videos briefly cover each of the seven Science Practices included as part of the AP Biology curriculum. (You will be watching lots of Bozeman Science videos throughout the year!) Jot down a summary statement for each of the videos. (Only one statement for each!)

Continue with #5 →

5. Email me at Dianne.Adams@cobbk12.org (make the subject line AP Biology 2016) before the first day of school. Answer the following questions in the body of the email (include the number of the question for each answer)

1. What is your full name? What do you prefer to be called?
2. What grade will you be in?
3. What science(s) have you already taken in high school?
4. What are your hobbies?
5. What extracurricular activities are you involved in?
6. What are your career goals?
7. What is your greatest concern about taking AP Biology?
8. What are you most looking forward to in AP Biology?
9. Why are you taking AP Biology?
10. What one word describes you best?

Enjoy the summer and I'll see you in August!