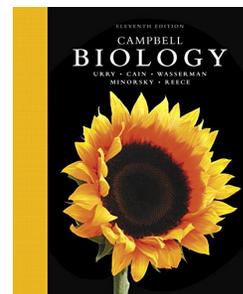


Jefferson Township High School Science Department

Advanced Placement Biology Summer Work



Text: Campbell, Neil A., et al. *Biology*, 11th ed. Menlo Park, Ca. Pearson (Benjamin/Cummings), 2018.

1. General Procedures in studying the Campbell text (or any text in the biological sciences):

- A. Go to google classroom and access all the PowerPoint. These PowerPoints are interactive and are instead of reading the text book you will be gaining information by completing the tasks within the PowerPoint. All of the information that you need can be located in the PowerPoint or through data analysis which resembles most of the questions on the BIO AP exam.
- B. You will submit your completed presentation with all of the tasks complete with RED INK through google classroom for a formative grade.
- C. All POGIL assignments are due on August 6th. The completed PowerPoints are due on the first day of school
- D. Within the first couple of weeks in September you will have a summative assessment on the material covered in these chapters.

2. Purpose (of the summer work):

- A. To be able to cover the material quickly and comfortably.
- B. To help you understand how to use the text.
- C. To help you understand that the text is a wealth of information. The text provides a lot of information that we don't take time to cover in class and it will help you to see the relationships among concepts. Do you need to know *all* of the information presented in the Campbell text for each chapter? The answer is "no". You have received chapter objectives for each of the chapters of the summer assignment and will be receiving objectives for each of the other chapters we will be covering in class during the upcoming year.

3. Assignments:

- A. Study the following chapters in the text, and complete the accompanying written assignment:
 - a. Complete PowerPoint Chapter 1.
 - b. Complete PowerPoint Chapter 52,
 - c. Chapter 53 PowerPoint Chapter 53,
 - i. POGIL Activity 29: "Population Growth"
 - d. Chapter 54,
 - i. POGIL Activity 23: "Ecological Relationships"
 - ii. POGIL Activity 26: "Ecological Pyramids"

The summer assignment chapter questions will count as 7 formative grade (Four PowerPoints and three Pogil Activities). The test in the beginning of the year will be your first summative grade.

Grading rubric for POGIL and book work answers:

You may not answer these questions with a simple one word or one sentence answer. To receive full credit, you must follow the rubric below to get all of the points for each question. Your answer should be about a paragraph long per question.

0	1	2	3	4
Did not have the correct answer	Have the correct answer.	Have the correct answer and had one of the following: Provided reasoning for the answer, used scientific vocabulary, or used scientific facts to support answer to demonstrated scientific thought	Have the correct answer and had two of the following: Provided reasoning for the answer, used scientific vocabulary, or used scientific facts to support answer to demonstrated scientific thought	Have the correct answer and had all of the following: Provided reasoning for the answer, used scientific vocabulary, or used scientific facts to support answer to demonstrated scientific thought

All PowerPoint assignments are due no later than 11:59 PM on **August 9th** and must be submitted in google classroom. Those who miss the deadline will receive a 0 for that assignment and **NO LATE WORK WILL BE ACCEPTED AT ALL** in this class. All POGIL work will be due on the first day of school during the period you have with me. The summative assessment will be given on the sixth day we meet for class. An example of one question on the POGIL assignment has been provided for you on Google Classroom.

This summer assignment is a great way to gage your understanding of this course. Remember this is a Biology Advance Placement course and it will be taught at a college level and pace. Please be sure that you are ready for the rigor of the class and committed to do the work that is needed. I **EXPECT** you to study for every test and complete all assignments **ON TIME**.

If at any time you have questions or concerns, please contact me at mgaydos@jefftwp.org and I would be more than happy to help you. Just remember I have a life of my own and a family to take care of. During the summer, I might be on vacation and will not be able to get back to you as promptly as I would have in the school year so please plan accordingly.