

AP Biology Summer Assignment 2020-2021

Online Textbook Recommendations.

Campbell Biology pdf – posted in google classroom

[Open Stax](#) (Chapter 3 Biological Molecules, Chapter 44-47 Ecology)

Lumenlearning.com [Biology for Majors II](#) (Module 25 -26 – Ecology)

Lumenlearning.com [Biology for Majors I](#) (Module 2 & 3 Biological Molecules)

Join AP Biology S.A. 2020-2021 Google Classroom!

class code: zvqqkr2

It is important for you to sign up for the AP Biology S.A. 2020-2021 Google Classroom account. This will serve not only as a place for you to submit your summer assignments, but a forum for questions and resource posting throughout the summer. Communication is a huge part of success throughout the course. Please do not hesitate to contact Mrs. Pagenkopf/Mrs Soutl (formerly Ms Machotka) throughout the summer using Google Classroom/email.

Due Dates and Assignments:

Task 1: Important Biological Molecules Packet. (Posted in Google classroom if you did not receive a paper copy)

Task 1 will be due on **Friday, September 11, 2020** regardless of when your class meets on the rotating schedule for the 2020-2021 school year. This will count as a 20-point secondary grade. Please submit your completed assignment to the assignment posting on Google Classroom by taking clear pictures of your completed assignment. Make sure you include each page. You will have an assessment on macromolecules within the first few weeks of school. That date will be announced after school starts.

Task 1 should serve as a refresher of your freshman biology macromolecule knowledge. Follow the instructions in the packet to complete this task.

Some other great resources for more information include:

Khan Academy

<https://www.khanacademy.org/science/biology/macromolecules>

Bozeman Science Videos

(You will be seeing these in class!)

1. The Molecules of Life
<https://youtu.be/QWf2jcznLsY>

2. Carbohydrates
https://youtu.be/_zm_DyD6FJ0
3. Lipids
<https://youtu.be/VGHD9e3yRIU>
4. Proteins
https://youtu.be/2Jgb_DpaQhM
5. Nucleic Acids
<https://youtu.be/NNASRkiU5Fw>

Task 2: Ecology Project.

Task 2 will be due **Friday, September 11, 2020** (regardless of when your class meets on the rotating schedule). Task 2 will count as a 50-point secondary grade. Task 2 will cover important ecology concepts that we will be returning to later during the year. It is important that you complete this assignment to build a strong foundation of ecology knowledge that we can refer to during the year. Please refer to the assignment posting on Google Classroom for task/project instructions and grading rubric. Note: You will be assigned a unique and specific biome to research for this project. There will not be duplicates among your classmates.

Some great resources to use (but not limit yourself to) for your research and background information:

1. ***AP Biology Textbook (upon return)***
Chapter 44: Population Ecology, Chapter 45: Community and Ecosystem Ecology, Chapter 46: Major Ecosystems of the Biosphere, and Chapter 47: Conservation Biology. (Page 836 through page 918.)
2. ***Khan Academy Ecology***
<https://www.khanacademy.org/science/biology/ecology>
<https://www.khanacademy.org/science/biology/biodiversity-and-conservation>
3. ***National Geographic Website***
4. ***World Wildlife Foundation Website***

**** More resources will be available periodically to assist your research. Pay attention to your alerts for Google Classroom.