

## AP Biology 2023-2024

Ms. Withstandley

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B-20

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Welcome to AP Biology! We have a lot of information to cover throughout the year. Therefore it is essential that you are familiar with the essential knowledge within biology 1 and chemistry 1. In preparation for this course I am asking you to complete this assignment **over the summer** so that you have **reviewed** the essential knowledge that you learned in **biology** and **chemistry**.

The Textbook: Biology: 10th edition; Solomon, Marin, Martin, Berg is very detailed. The book's purpose is to provide you with a good foundation for your summer assignment. In addition the book can also be used as a supplement source throughout the year.

This assignment will be your “**ticket of admission**” into AP biology. It is required on the **first** day of school. You will also be **tested** on this material during the **first week** of school. I strongly urge you to begin this assignment as early as possible. This packet contains a lot of work and you do not want to wait to complete it the week before school starts.

**ALL of this work** should be organized in a **folder** with your **name** on the cover.

1. Read **chapters 53-57** and **outline** them. Outlines must be **handwritten** and must be completed by you and only you.
2. Complete the **study guides** attached for each chapter.
  - a. Chapter 53: Introduction to Ecology: Population Ecology (pg 1144)
  - b. Chapter 54: Community Ecology (pg 1164)
  - c. Chapter 55: Ecosystems and the Biosphere (pg 1187)
  - d. Chapter 56: Ecology and the Geography of Life (pg 1208)
  - e. Chapter 57: Biological Diversity and Conservation Biology (pg 1232)
3. Complete the **eutrophication POGIL** attached.
4. Be ready to take an **assessment** when you **return to school in September**.

I will check my email here and there during the summer break. Please email me or use remind for any questions you may have.

Enjoy your summer! I can't wait to see you in September and start to work with you.