

## DC BIOLOGY – Summer Assignment

This course is designed to be equivalent to a two-semester introductory biology course in college. It will be a challenging yet rewarding experience for students. This summer assignment is developed to help you become familiar with major themes that persist throughout AP Biology.

### THE 4 BIG IDEAS OF AP BIOLOGY:

Big Idea 1: THE PROCESS OF EVOLUTION DRIVES DIVERSITY AND UNITY OF LIFE.

Big Idea 2: BIOLOGICAL SYSTEMS UTILIZE FREE ENERGY AND MOLECULAR BUILDING BLOCKS TO GROW, REPRODUCE AND 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.

Besides ecology, which is woven throughout the 4 big ideas, this assignment helps students develop strong technical reading and writing skills, try different study techniques, and develop effective time management skills. The amount of material covered in AP Biology is extensive. It is extremely beneficial for students to be prepared on the first day of class in August.

The attached schedule assigns 1 chapter in June, 2 in July, and 2 in August. Students are free to complete the readings working around planned summer activities. Additional resources are available if students want to use them. Each assignment comes with an online *reading check*. This is to allow students to check their understanding of the material. No grades are given for the *reading checks*. During week 3 of school, students are tested over 5 chapters of Ecology. Those completing their summer assignment should be well prepared for the fast pace of this very important unit.

# Lutheran North Academy A.P. Bio Summer Assignment 2023

Welcome to AP Biology at Lutheran North Academy! You are enrolled in a fun yet challenging course. Your summer assignment this year covers Ecology.

## Textbooks:

For this summer, Use the ONLINE Textbook linked below:

[APBiologyTextbook](#)



“The Immortal Life of Henrietta Lacks”, should be purchased and read, not the movie. There will be an assignment based on the book.

You will be working through the Ecology unit in June and July, which can be found in chapters 44, 45, 46 and 47 of this online text resource. You will start the HeLa book in August, more to come on our google classroom for dates.

**Google Classroom:** You will need to access our google classroom account and self-enroll in our AP Summer Assignment Course.

[Google classroom:](#) Class code: u6i3hnb

## Reading Checks over Summer Material:

1. You can access videos, study guides, reading checks, and many other resources on our Google Classroom.
2. Reading checks are meant to prepare you for the fall Ecology unit. The summer schedule is designed to provide flexibility for your many summer plans, as well, as learning to navigate class studies as a college student. Students may complete assignments at their convenience as long as you meet the stated deadline. Reading checks will be unavailable AFTER the deadline. The purpose for this is twofold: a. encourages students to read, use all available resources and learn to study content over time, all excellent study skills, and habits to create and have. b. enhances the student’s time management skills, important for success in high school and college.
3. Reading checks are TIMED. Quizzes and tests during the school year as well as the AP Exam will be timed.
4. Students have unlimited access to PRACTICE READING CHECKS.

5. The summer reading checks are for self-evaluation, NOT FOR A GRADE. Do you truly understand the material? A strong performance indicates a thorough understanding while a poor performance indicates a need to continue your study of the unit's concepts. Self-evaluation is important for students' success in this course.
6. DO NOT PROCRASTINATE.
7. Students will take a test over the ecology summer reading during the first 3 weeks of school.

**AP BIOLOGY Assignments by month: Reading Check DEADLINES:**

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**June:**

Chapters # 44 & 45 –

Ecology and the Biosphere Chapter guides

Population Ecology and Community Ecology Chapter guides

Optional Posted Videos

**The Reading Check deadline is 10 pm, July 7th**

**July**

Chapters # 46 & 47 – Ecosystems chapter guides

Conservation Biology and Biodiversity chapter guides

Optional Posted Videos

**The Reading Check deadline is 10 pm, August 7th**

**August:**

8/8/23 Start the HeLa book

**The Reading Check Deadline is 10 pm, September 7th**

**\*\*Please be honest and maintain the highest levels of integrity in your work. Taking screenshots, working together, posting questions/answers, making information available via the cloud or any site, using Skype, sharing logins/ copyrighted/password-protected material with tutors, using electronic devices or textbooks during quizzes or tests, allowing parents or tutors to do your work or help you with reading checks or quizzes are ALWAYS considered DISHONEST.**

Please refer to the student handbook for the consequences of academic dishonesty.

Have a great summer and enjoy your study of Ecology!

I'll see you in August....