

AP BIOLOGY SUMMER READING 2018

Dear Student,

You have been identified as a student enrolled in AP Biology for the upcoming school year. AP Biology can be very interesting and fun, but it is also very demanding because of the amount of content to prepare for the AP exam. To give us a head start next school year, I am requiring that you complete the following reading assignments over the summer. For most students, it helps to outline the information while reading because it forces them to slow down and comprehend each concept; therefore, while reading you are required to complete the reading guides for each of the chapters listed below.

I am assigning this to ease the transition into an AP course. Anything you do to prepare for the fall will benefit you and reduce the stress of taking an AP Science course. Please do not wait until the night before school to begin this assignment because you will not finish it.

Please email me at gjubulis@wscschools.org if you have any questions. Have a great summer! I look forward to meeting you and having you in class in September.

SUMMER ASSIGNMENT

Subscribe to Remind 101 by sending @wswapbio to 81010

Read the Course Outline

Read Chapter 22; complete the Reading Guide pages 151-155. This is an introductory chapter on evolution which should build upon what you learned in Living Environment. This assignment is due on the first day of school.

Recommended Web-based activities and videos for Chapter 22.
These videos and activities provide examples natural selection.

<http://learn.genetics.utah.edu/content/selection/recipe/> (Recipe for Evolution: Variation, Selection, and Time at Learn Genetics)

<http://learn.genetics.utah.edu/content/selection/related/> (All Living Things are Related at Learn Genetics site).

<http://learn.genetics.utah.edu/content/selection/stickleback/> (Stickleback Evolution module at Learn Genetics site).

<https://www.youtube.com/watch?v=Pv4Ca-f4W9Q> (Making of the Fittest: Evolution of the Stickleback Fish).

Peppered Moth Simulation at <http://peppermoths.weebly.com/> Please complete the accompanying worksheet.

<http://www.hhmi.org/biointeractive/origin-species-beak-finch> (The Origin of Species: The Beak of the Finch)

(OVER)

Read Chapter 24; Complete the Reading Guide pages 162-165. You must read this chapter and complete the corresponding reading guide. This is an interesting chapter that discusses one of life's greatest mysteries: the emergence of new species on planet Earth.

Recommended Web-based activities and videos for Chapter 24.

<https://www.youtube.com/watch?v=2oKIKmrbLoU> Speciation: Of Ligers & Men - Crash Course Biology

<http://www.pbs.org/wgbh/nova/evolution/evolution-action-salamanders.html> (Evolution in Action: Salamanders)

The Reading Guides that you have completed will be collected and evaluated as a homework grade. These reading guides not only help you to focus while reading, but also will serve as resources to prepare for any upcoming quizzes and tests.

EXTRA CREDIT MARKING PERIOD 1:

Chapter 25 Reading Guide pages 166-171. Read Chapter 25 on early earth and the origin of life. This reading guide will be turned in on 9/14/18. You will be awarded one point on your quarter one average.

Recommended Web-based activities and videos for Chapter 25.

<https://www.youtube.com/watch?v=1WS712DHfmg> Life Begins: Crash Course Big History #4

Chapter 26 Reading Guide pages 172-177. This reading guide will be turned in on 9/19/18. You will be awarded one point on your quarter one average.

AP Biology requires you to read a college level textbook. The Reading Guide is designed to make the reading more manageable and help you to identify what is most important. Please try to understand that I am not trying to overwhelm you this summer, but I am encouraging you to be prepared for the start of the school year in a college level class. Have a great summer.