

AP Biology

Summer Assignment

Welcome to AP Biology

Please complete the following before working on your summer assignments.

- Sign up for the class Remind
Text @IlligAPBio to 81010
- Once accepted to the Remind, respond on Remind by sending your email address so that I can send you a link to subscribe to the class calendar.
- Once our textbooks and resources come in during the summer, a remind will be sent for you to pick them up.
- Mark your calendar for August 3rd for AP Boot Camp, all should attend.
- Your 1st Test will be the 1st week of school on the summer assignments.

Assignment #1

- Read & Outline Chapter 1: Evolution, the Themes of Biology & Scientific Inquiry in your Textbook.
- Go to www.BozemanScience.com and watch Biological Molecules
<http://www.bozemanscience.com/042-biological-molecules>
- Click on the Biological Molecules Review Worksheet by Winnie Litten at the bottom of the Bozeman webpage. Print & Complete the Worksheet.
- In your BioZone Book, complete topics 21, 24, 25, 28, 30 & 34
- Go to www.BozemanScience.com and watch Essential Characteristics of Life
<http://www.bozemanscience.com/005-essential-characteristics-of-lifeEssential>
- Click on the Characteristics of Life Review Worksheet by Winnie Litten at the bottom of the Bozeman webpage. Print & Complete the Worksheet.
- Read and complete the Data Nugget on *The Artic is Melting - So What?*
http://datanuggets.org/wp-content/uploads/2016/06/Melting-Sea-Ice_Student.pdf

Assignment #2

- Read & Outline Chapter 2: The Chemical Context of Life in your Textbook.
- Go to www.KahnAcademy.org
- Search **AP Biology: Chemistry of Life**
- Click on the following lessons to watch the videos & complete the lessons. Add any notes to your notebook.
 - Elements and Atoms:
 - Elements and Atoms
 - Matter, Elements and Atoms
 - Introduction to the Atom
 - Atomic Number, Atomic Mass and Isotopes
 - Chemical Bonds and Reactions:
 - Chemical Bonds
 - Chemical Reactions Introductions
 - Chemical Reactions
- Go to Quizlet at <https://quizlet.com/11759584/test> and complete 3 practice quizzes, each with 25 questions (click on options on the bottom left to edit and create tests). Please print the results of your quizzes and place them in your notebook.

AP Biology Boot Camp

Please mark your calendar for August 3rd.

- Complete your summer assignments before AP Boot Camp.
- Have any questions on summer assignments ready for our session on August 3rd.
- Goal of AP Boot Camp will be to establish background information for a lab to be designed and conducted the first week of school.
- If you have questions before Boot Camp, please send a message through Remind to Mrs. Illig.