

# AP Biology '18-19 Summer Assignment

Textbook: **Campbell Biology in Focus AP Edition 1** ISBN 10:0-13-310217-3; ISBN 13: 987-0-13-310217-8

Khan Academy Videos (Official AP College Board Partner) <https://www.khanacademy.org/science/biology/ap-biology>

**Complete the following for Chapter 1-4 by the first day of class, Tuesday, August 14<sup>th</sup>, 2018:**

## **Chapter 1 Introduction: Evolution & the Foundations of Biology pp. 1-17**

- Annotate the chapter; taking notes using a style of your choice
- Complete Ch 2 Scientific Skills Exercise (SSE) p15 Answers must be in complete sentences

## **Chapter 2 The Chemical Context of Life pp.18-39**

- Annotate the chapter; taking notes using a style of your choice
- Complete Ch 2 SSE p 37 Answers must be in complete sentences

### **Suggested but not due on the 1<sup>st</sup> day of class:**

Watch as many of the Khan Academy AP Biology lessons on **Chemical Bonds & Reactions Lessons & Water Lessons** to help give clarification to Ch2

[Chemistry of Life](#)

[Water, Acids & Bases](#)

## **Chapter 3 Carbon & the Molecular Diversity of Life pp 40-65**

- Annotate the chapter taking; notes using a style of your choice
- Complete Ch 3 SSE p 63 Answers must be in complete sentences

### **Suggested but not due on the 1<sup>st</sup> day of class:**

Watch as many of the Khan Academy AP Biology lessons **on Carbon & Macromolecules.**

- There are 9 items (videos& documents) on the Properties of Carbon lessons. I would suggest reviewing (Starting at the top of list as 1) #1, 3, 4, 8 & 9 to get clarification on Ch3.
- Of the Macromolecules lessons I would suggest the following:
  - Carbohydrates: ALL
  - Lipids: at least the first 2
  - DNA: only if you feel you have questions
  - Proteins: ALL

[Properties of Carbon](#)

[Macromolecules](#)

## **Chapter 4 A Tour of the Cell pp 66-93**

- Annotate the chapter; taking notes using a style of your choice
- Complete Ch 4 SSE p 74 Answers must be in complete sentences

### **Suggested but not due on the 1<sup>st</sup> day of class:**

Watch as many of the Khan Academy AP Biology lessons **on Structure of the Cell** (ALL 4 Lessons)

[Structure of Cell](#)