

## Welcome to AP Biology!

We have a great deal of material to cover before the AP Exam beginning with Biochemistry. Your summer assignment is to read Chapters 2, 3, 4 and 5 from your textbook Biology 12th edition, by Campbell and Reece. There are guided reading questions and the test your understanding to be completed for all chapters. In addition, you will complete a free response (an essay) on the properties of water. The requirements are listed below:

- 1) Read each of the assigned chapters, take notes and complete the chapter reading guides.
- 2) After reading, complete the Test Your Understanding at the end of each chapter. You will turn in your answers to each chapter.
- 3) Complete the free response (essay) on the properties of water (attached). You will need to do independent research to complete this portion of the assignment.

Be sure to write this response **IN YOUR OWN WORDS!** Plagiarized essays will not be graded.

These assignments are due on the first day of class. If you have any questions about the assignment, contact me at [brandy.short@dma.k12.de.us](mailto:brandy.short@dma.k12.de.us). Please consider it is the summer and I will be checking my email weekly.

### Properties of Water Essay

Select three properties of water and, for each property,

- a. Identify and define/describe the property. Explain how/why the property occurs in terms of chemistry/bonding.
- b. For each property explain one example of how the property affects the functioning of living organisms.