AP BIOLOGY SUMMER FUN FEST

Developing a solid background in the fundamental concepts of evolution is by far the most important goal that you have. To help you accomplish this goal, read the sections in your text listed below. In addition, your summer written assignment is to complete the questions that will help you (and me) assess your understanding of these fundamental concepts of evolution.

Assignment #1: a. Email Ms. Ng: ng_may@ausd.us (as soon as possible)
b. In the **Subject Line**: Indicate your name & AP BIO
c. Also if you don't already have one, create a Facebook account, so I can add you to our MKHS AP Bio '18 when school starts.
d. Further information will to announced, so stay tuned.

Assignment #2.: a. Pick up your AP Biology Book in B119 between July 6th to July 12th (8am – 1pm) bring your most recent school ID with you)
b. Download the Chapter Questions & answer sheet from this link:
http://msngs.weebly.com/ap-biology.html
Titled: Summer Fun Fest (Assignment #2)
c. After you have completed your reading, answer the questions on the answer sheet provided from the above link.

Assignment #2 is due on the first day of school, August 10th, 2017. No exceptions!
There is a high probability that you will also be given a test about the chapters on the first 2 weeks of school. So be prepared.

Overview	**Chapter Readings**	**Topics**	**Questions in Packet Summer Assignment #2**
Darwinian View of Life	22	-Contributions to Darwin's ideas -Natural Selection as the key to evolution -Evidence for Evolution	1a-i, 2-8, 9, 10
Evolution of Populations	23	-Populations -Hardy-Weinberg Theorem -Microevolution methods -Genetic variation generated and maintained -Natural Selection as mechanism of evolution	11-15, 16a-d, 17-20, 21-25, 26, 27-31
Speciation	24	-Allopatric Speciation -Reproductive Barriers -Geographic Barriers -Sympatric Speciation -Polyploidy -Punctuated vs gradualism as tempo of evolution	32-39, 40-46, 47-53
Phylogeny	25	-Macroevolution -Fossil Evidence -Mass Extinctions -Systematics and Phylogeny -Cladistics	54a-f, 55-59, 60-65
Evolution of Early Life	26	-Three domains and their characteristics	67-81