2017 AP BIO “To Do” List- Scientific Method/Chemical Context of Life

**SCIENTIFIC METHOD & STATISTICS** Watch Bozeman video CER and take notes in your BILL **before class FRI 8/25**  
 Termite tracks LAB/collect data, **in class THURS 8/24** 3 CER summaries **DUE FRI 8/25** What’s up with Pheromones? **DUE FRI 8/25** Watch Bozeman video- Scientific Method and take notes in BILL **by** **MON 8/28**  
 BILL -Comparison (depedent, independent, controlled variables) **by MON 8/28** BILL-Taxis vs Kinesis? **DUE TUES 8/29** Pillbug Lab **IN CLASS TUES 8/29**  
 Watch Bozeman video- Beginner’s Guide to Graphing Data?  
 take notes in your BILL **DUE WED 8/30** BILL- What makes a good graph? **DUE 8/30** Scientific Method- Fishy Experiment **DUE FRI 9/1**  
 M & M Chi Square **in class \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  
 Pillbug lab DUE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
  
**CHEMISTRY**

Review Chemistry stuff you should know by skimming through Chapter 2 in Campbell   
 Watch Kristina Gremski’s video “Chemistry Needed For Biology” and take notes in BILL   
 complete comparison (dependent, independent, controlled variables) ?’s

**WATER** BILL- Properties of water lab IN CASS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 BILL Lab ?’s DUE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   
 BILL- Finish Properties of water organizer FRI 9/16   
 pH Homeostasis IN CLASS Earthquake connection IN CLASS **HOUSEKEEPING** Create a DIVIDER page in your 3 ring binder and LABEL IT “LABS” by \_\_\_\_\_\_\_\_\_\_\_\_  
 Keep Updating your BILLTABLE OF CONTENTS   
 DOWN LOAD NOTES to your Google Drive folder TO GO WITH CARBON and  
 BIOMOLECULES VIDEOS (on homework calendar for FRI 9/9. 9/12, 9/19)  
 **CARBON** DOWNLOAD VIDEO NOTES (link on webpage) and   
 Watch CARBON Powerpoint video OUTSIDE OF CLASS **BY THURS 9/14**   
 Molecular modeling- **IN CLASS** **FRI 9/16**   
 BILL Asymmetric carbon – **IN CLASS FRI 9/16** Functional groups **IN CLASS** BILL Carbon ?’s DUE **FRI 9/16**  
  
 MACROMOLECULES  
 Read Chapter- 3.2–3.6 Bring any ?’s you have to class   
 Watch CARBOHYDRATES part of BIOMOLECULES Powerpoint video by **MON 9/19** BILL Carb modeling **IN CLASS** Carbohydrate comparison  
 Carb ?’s **DUE MON 9/22** Watch the LIPIDS part of Biomolecules Powerpoint video by **WED 9/21** BILL Lipid modeling IN CLASS **WED 9/21** Lipid ?’s DUE **THURS 9/22** Watch Proteins Powerpoint video by **THURS 9/22**  
 BILL Protein modeling IN CLASS **THURS 9/22** Protein ?’s DUE \_\_\_\_\_\_\_\_\_\_  
 Comparison chart- 1° , 2°, 3°, 4°, structure DUE \_\_\_\_\_\_\_\_\_\_\_\_\_  
 Protein modeling TOOBERS ?’s DUE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 Watch NUCLEIC ACID part of Biomolecules Powerpoint video by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 BILL Nucleic acid ?’s DUE \_\_\_\_\_\_\_\_\_\_\_  
 BILL- Atoms in molecules DUE \_\_\_\_\_\_\_\_\_  
 SHOW WHAT YOU KNOW- make a concept map in your BILL DUE \_\_\_\_\_\_\_\_\_\_  
 to show what you learned about MOLECULES  
 Take home essay ? DUE \_\_\_\_\_\_\_\_\_\_\_\_\_\_

STUDY FOR CHAPTER TEST (Chapters 1-3 & Scientific method) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

NOTHING IN BIOLOGY MAKES SENSE EXCEPT IN THE LIGHT OF EVOLUTION  
 Watch PBS video – How does evolution really work? BY \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
 Complete BILL notes after video DUE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_