LP Monday, November 5th and Tuesday, November 6th, 2018 CHAP 7

CALIFORNIA CONTENT STANDARDS:

Standard 2c: Students now salt crystals, such as NaCl, are repeating patterns of positive and negative ions held together by electrostatic attraction.

7.3.1 Model the valence electrons of metal atoms.

7.3.2 Describe the arrangement of atoms in a metal

7.3.3 Explain the importance of alloys

Home Work: Balancing Compounds
Bill Nye: Chemical Reactions
Ion Formation, Trans 18

Lecture: **7.3: Bonding In Metals**
PPT: Metallic Bonds

Lab: **Lab #11: Bottle Lab**

- Have students move to lab tables, making sure NO ONE touches any of the chemical samples.
- Students will copy lab data off the board. (Lab # 11 Bottle Lab)
- To begin the process, pass out the lab data sheets to the students. Explain what they will have to write giving them the first example off the answer document. They will have approx. 7 min. per table, and when prompted (bell) have them move clockwise to

the next lab table to record the chemical information, etc. They should be able to easily finish all eight tables with all 16 samples before the end of the period.

- ❖ Have students return to regular seating when completed. Make sure they all write a conclusion for the lab before leaving the class.

Lab # 11: **Bottle Lab**

- Students will write down the name of the chemical from the bottle
- Write the Cation
- Write the number of valence electrons
- Write the symbol and charge for the anion
- Write the number of valence electrons for the anion
- Write the formula for the compound
- Determine the formula mass for each

Class Work:

Building With Alloys Page 204-205

Home Work: Page 203, 23-29