

You Light Up My Life HW

Read and outline (Cornell style) **Section 8.1 AND 8.4** in your chemistry textbook. Then answer the following assessment questions:

1. What is a chemical bond?
2. What family of elements is relatively unreactive and why?
3. Describe the formation of both positive and negative ions.
4. What is a metallic bond?
5. What is an alloy? What is the difference between a substitutional and interstitial alloy?
6. Predict whether each will conduct electricity, dissolve in water, and/or conduct electricity once dissolved:
 - a. MgCO_3 (s) magnesium carbonate
 - b. C_3H_6 (l) acetone
 - c. Ti (s) titanium
 - d. LiNO_3 lithium nitrate
 - e. CuZn (s) bronze
7. Look at the chemical makeup of the following substances and decide which type of bonding (ionic, metallic, molecular covalent, or covalent network) you would probably find in each substance:
 - a. Zn (s) zinc
 - b. C_3H_8 (l) propane
 - c. CaCO_3 calcium carbonate