

207 Chapter 2: Section 2: Annotated Reading Guide (12pts)

To receive credit:

- *Write all answers in your bound journal*
 - *When working a problem, show all your math and box your final answer*
 - *2pt title the entry*
 - *2pt date the entry*
1. What three pieces of information are always given for each element in a periodic table block (pg 50)?
 2. Elements in a group often exhibit what?
 3. What are the coinage metals and where are they located on the periodic table?
 4. What are characteristics of metallic elements?
 5. What elements are metalloids? What two groups do they separate on the periodic table?
 6. What are the elements in each of the following groups: Alkali Metals, Alkaline earth metals, Chalcogens, Halogens, Noble gases?
 7. In writing chemical formulas, what does the subscript 2 signify in H_2O ?
 8. How many diatomic elements are there? What numerical shape does it make on the periodic table (if you don't count H_2)?
 9. Most molecular substances encountered contain only what type of elements?
 10. What is the difference between molecular formulas and chemical formulas?
 11. What is the molecular formula and chemical formula of $H_{16}O_8F_4$?
 12. Draw the five different representations of a methane molecule (pg 54).