

Quiz - Chapter 2 & 3

Section I. Fill in the blank (1 point per blank)

1. A _____ compound is formed when a metal is combined with a nonmetal.
2. A covalent compound is formed when two _____ are combined.

Section II (3 points) Name the following compounds

3. CuI_2 _____
4. NI_3 _____
5. CaI_2 _____

Section III (3 points) Write the molecular formulas

6. Sulfur hexafluoride _____
7. Tin(II) fluoride _____
8. Sodium fluoride _____

Section IV Do the following calculations

9. (4 points) Calculate the molar mass of $\text{Ca}_3(\text{PO}_4)_2$

10. (4 points) Calculate the % composition of P_4O_{10}

11. (4 points) If I have an empirical formula of SNH and a molecular mass of 188.35 g/mol, what is the molecular formula of my compound?