

Name: _____

Band: _____

HW 6.2

1. Find the mass in grams of .720 moles Be? = _____
2. Find the mass in grams of 10.0 moles of Cr? = _____
3. Find the mass in grams of .0112 moles of K_2CO_3 ? = _____
4. Calculate the volume in liters of .6 moles of SO_2 gas at STP? = _____
5. Determine the volume of .960 moles of CH_4 gas at STP? = _____
6. Determine the volume of 3.7 moles N_2 gas at STP? = _____
7. Determine the volume of 0.880 moles of He gas at STP? = _____
8. How many moles are in 67.2 L of SO_2 gas at STP? = _____
9. How many moles are in .880 L of He at STP? = _____
10. How many moles are in 1000 L of C_2H_6 gas at STP? = _____
11. Calculate the percent composition of a compound having 9.03 gram of Mg and 3.48 gram of N.
= _____ % Mg
= _____ % N
12. Calculate the percent composition of a compound having 29.0 gram of Ag with 4.3 gram of S.
= _____ % Ag
= _____ % S
13. Calculate the percent composition of a compound having 222.6 gram of N_2 and 77.4 g of O.
= _____ % N
= _____ % O
14. Calculate the percent composition of ethane, C_2H_6 ?
= _____ % C
= _____ % H
15. Calculate the percent composition of calcium acetate, $Ca(C_2H_3O_2)_2$?
= _____ % Ca
= _____ % C
= _____ % H
= _____ % O