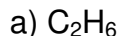


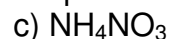
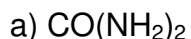
Chapter 7 Problem IV

Name _____

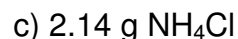
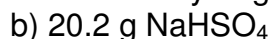
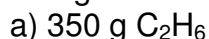
31. Calculate the % composition:



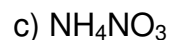
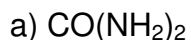
32. Calculate the % composition of nitrogen in the following compounds:



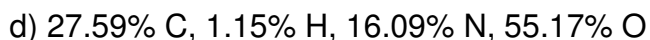
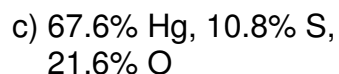
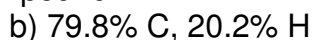
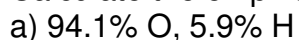
33. Using Problem 31, calculate the mass of hydrogen in each of the following:



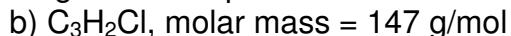
34. Calculate the grams of nitrogen in 125 g of each fertilizer.



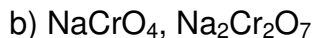
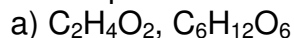
35. Calculate the empirical formula of each compound.



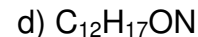
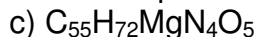
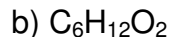
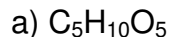
37. Find the molecular formula of each compound given its empirical formula.



38. Which pair of molecules has the same empirical formula?



43. Which of the following molecular formulas are also empirical formulas?



62. Which of the following compound has the highest iron content?

