



9. In 4.50 g of an organic compound, acetic acid, there are found to be 1.80 g of Carbon, 2.40 g of O, and 0.30 g H. What is the formula?

10. The composition of aluminum sulfate is 15.7% Al, 28.0% S, 56.1% O. What is the formula?

11. Naphthalene has the empirical formula of  $C_7H_6$ . If its molecular weight is 156 g/mol, what is the true formula?

12. Nitroglycerine contains 15.87% C, 2.22% H, 18.50% N, and 63.41%O. Calculate the formula.

13. Calculate the % composition of these compounds.

a) NaOH

b)  $Al_2(SO_4)_3$