



8. dinitrogen tetroxide

9. ammonium carbonate

III. *Determine the empirical formula for each of the following compounds by using its percent composition by mass (see Sample Problem 7-13 on p.193):*

10. 83.0% potassium, 17.0% oxygen

11. 2.06% hydrogen, 32.69% sulfur, 65.25% oxygen

12. 40.0% carbon, 6.71% hydrogen, 53.3% oxygen