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Answers to Practice Problems G

1. Mn_2O_3
2. Cl_2O_7
3. Fe_3O_4
4. $\text{C}_2\text{H}_3\text{Cl}_3$

Homework — **GENERAL**

Additional Practice For each of the following examples, find the empirical formula for a compound with the given composition.

1. 63.52% Fe, 36.48% S **Ans. FeS**
2. 26.58% K, 35.35% Cr, 38.07% O **Ans. $\text{K}_2\text{Cr}_2\text{O}_7$**
3. 32.37% Na, 22.58% S, 45.05% O **Ans. Na_2SO_4**
4. 74.51% Pb, 25.49% Cl **Ans. PbCl_2**
5. 52.55% Ba, 10.72% N, 36.73% O **Ans. BaN_2O_6 or $\text{Ba}(\text{NO}_3)_2$**
6. 29.15% N, 8.407% H, 12.50% C, 49.94% O **Ans. $\text{N}_2\text{H}_8\text{CO}_3$ or $(\text{NH}_4)_2\text{CO}_3$**

Logical