

## Answers to Practice Problems G in page 242-243

### Answers to Practice Problems G

1.  $\text{Mn}_2\text{O}_3$
2.  $\text{Cl}_2\text{O}_7$
3.  $\text{Fe}_3\text{O}_4$
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.  $\text{Na}_2\text{SO}_4$**
4. 74.51% Pb, 25.49% Cl **Ans.  $\text{PbCl}_2$**
5. 52.55% Ba, 10.72% N, 36.73% O **Ans.  $\text{BaN}_2\text{O}_6$  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**