

Assignment #4 Mole Practice Problem Set EMPIRICAL FORMULA

Calculate the empirical formula for each of the following problems.

1. Given: 40.92% C, 4.58% H, 54.50% O
2. Given: 10.4% C, 27.8% S, 61.7% Cl
3. Given: 21.69% C, 9.64% O, 68.67% F
4. Given: 32.79 % Na, 13.02% Al, 54.19% F
5. Given: 62.1% C, 5.05% H, 14.1% N, 24% O
6. Given: 75.69% C, 8.80% H, 15.51% O
7. Given: 87.5% N, 12.5% H
8. Given: 40.0% C, 6.7% H, 53.3% O
9. Given: 0.104 mol K, 0.052 mol C, 0.156 mol O
10. Given: 0.0130 mol C, 0.0390 mol H, 0.0065 mol O
11. Given: 6.10g Sn, 3.90g F
12. Given: 11.66g Fe, 5.01g O