

Part 1: Percent Composition

Calculate the percent composition of the following compounds. **SHOW ALL WORK.**

1. HCl

2. H

3. Cl

4. K_2CO_3

5. K

6. C

7. O

Part 2: Empirical Formulas

Work each of the following problems. **SHOW ALL WORK.**

1. A compound is found to contain 63.52 % iron and 36.48 % sulfur. Find its empirical formula.

2. A In the laboratory, a sample is found to contain 1.05 grams of nickel and 0.29 grams oxygen. Determine the empirical formula.