Worksheet: % Composition and Empirical Formulas   Name _____

Part 1: % Composition

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

HCl

K_2CO_3

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