

Percent Composition and Empirical Formula

1. Find the percent composition of the following compounds:

a) KClO_3

b) calcium hydroxide

2. Find the empirical formula of the following compounds:

a) a compound which is 41.3% C, 10.4% H, and 48.2% N.

b) a compound containing 1.92 grams of Mn and 1.12 grams of oxygen.

c) a compound which is 65.1% Cu, 32.8% O and 2.1% H. Also name the compound.

d) a sample of the amino acid glycine contains 1.56 g C, 0.333 g H, 2.08 g O, and 0.910 g N.