



- A 2.1640 gram sample of a compound is found to contain 0.7033 grams of iron, 0.6548 grams of chromium, and 0.8059 grams of oxygen. Use this information to find the empirical formula of the compound.
- A compound is 85.62% carbon and 14.38% hydrogen. The gram formula mass of the compound is 56 g/mol. Find the empirical formula and the molecular (true) formula for the compound.
- A 3.5471 gram sample of a compound contains 0.1153 gram of hydrogen, 1.6018 grams of nitrogen, and 1.8300 grams of oxygen. The gfm of the compound is known to be 62.0 g/mol. Find the empirical and molecular (true) formulas of the compound.