Name: _____ Period: _____

Empirical Formula Worksheet

Directions:Answer in the space provided and please show all your work.

1. A compound is composed of 27.3 % C and 72.2 % O. What is the empirical formula of the compound?

2. Calculate the empirical formula of a compound that is 42.9 % Carbon and 57.1 % Oxygen.

3. Calculate the empirical formula of a compound that is 70.0 % Fe and 30.0 % Oxygen.

4. Calculate the empirical formula of a compound that is 39.99 % C, 6.73% H and the rest O.

5. Calculate the empirical formula of a compound that is 52.13% C, 13.15% H and the rest O.