Sistla
Chemistry

1. Calculate the number of moles in a 1.5 kg sample of $C_6H_{12}O_6$ (Hint: convert kg to g)

2. Find the mass percent of the carbon in $C_6H_{12}O_6$.

3. A sample of a compound containing only carbon and hydrogen atoms is completely combusted, producing 5.65 g of CO_2 and 3.47 g of H_2O. What is the empirical formula?

4. Identify the element based on the MS.