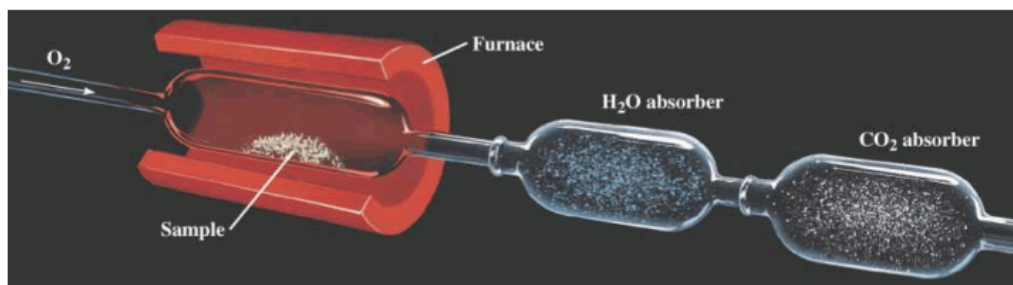


OWL Chapter 3 Set #2
Group 12: Combustion Analysis



A **8.023** gram sample of an organic compound containing C, H and O is analyzed by combustion analysis and **10.18** grams of CO_2 and **2.779** grams of H_2O are produced.

In a separate experiment, the molar mass is found to be **104.1** g/mol. Determine the empirical formula and the molecular formula of the organic compound.

Enter the elements in the order C, H, O

empirical formula =

molecular formula =