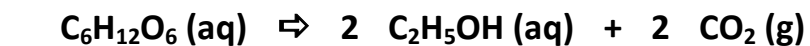


Pre-AP Chemistry
Unit #9—Stoichiometry

Moles to Volume and Volume to Moles



1. Write the six mole ratios for the reaction
2. Calculate liters of carbon dioxide gas were produced when 36.25 moles of $\text{C}_6\text{H}_{12}\text{O}_6$ decomposed in the chemical reaction?
3. How many liters of $\text{C}_2\text{H}_5\text{OH}$ were produced if 7.485 moles of carbon dioxide gas were produced for the reaction?
4. If the reaction produced 54 liters of carbon dioxide, how many moles of sugar needed to decompose for the reaction?
5. Calculate the moles of ethanol that was produced from 12.47 liters of sugar.