

Name: _____ Date: _____

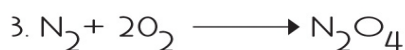
MASS TO MOLE STOICHIOMETRY

Answer the questions. Write answers on new paper.

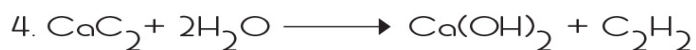
1. In photosynthesis, water reacts with carbon dioxide to give oxygen and glucose ($C_6H_{12}O_6$). Write and balance the chemical equation. How many moles of CO_2 are required to make 120.0g of glucose?



- What is the mass of potassium nitrate that is produced when 2.04 moles of potassium phosphate react?
- If 5.80g of aluminum phosphate are formed, how many moles of aluminum nitrate reacted?



- If 15.0g of N_2O_4 was produced, how many moles of O_2 were required?
- If 4.0×10^3 moles of oxygen reacted, how many grams of N_2 were needed?



- If you have 5.50 mol of CaC_2 , how much C_2H_2 do you get?
- How many moles of water are needed when 65.0g of CaC_2 have reacted?