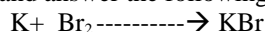


STOICHIOMETRY OBJWS

1) MOLE-MOLE Calculations:

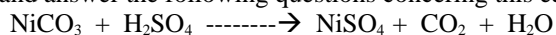
BALANCE and answer the following questions concerning this equation:



- How many moles of K are needed to form 3.3 mol of KBr?
- How many moles of bromine are required to react completely with 0.96 mol of K?
- Calculate the number of moles of KBr formed when 16.3 mol of Br_2 reacts with K.

2) MASS-MASS Calculations:

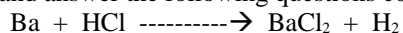
BALANCE and answer the following questions concerning this equation:



- What is the mass of sulfuric acid needed to react with excess nickel (II) carbonate to produce 4.45 g NiSO_4 ?
- How many grams of CO_2 are formed when 0.355 g of H_2O is produced?

3) OTHERS

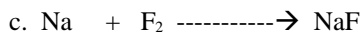
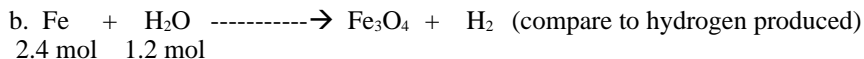
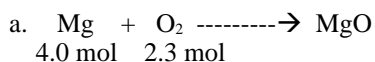
BALANCE and answer the following questions concerning this equation:



- How many grams of BaCl_2 can be made by reaction 6.63×10^8 ions of HCl with Ba?
- How many liters of hydrogen gas (STP) are produced by reaction 25.66 g of Ba with HCl?
- How many ions of BaCl_2 are needed to produce 13.4 L of H_2 ?
- When 4.50 L of H_2 are produced, how many Ba moles were used at the beginning of the reaction?

4) LIMITING REAGENTS

BALANCE and identify the limiting reagent for each equation in a and b:



When 0.24g of sodium react with 0.13 mol of fluorine, what is the limiting reagent?