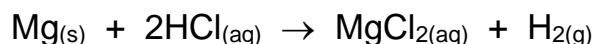


Moles Practice 4

1 Which reactant is in excess in each case?

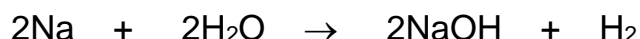
(a) 0.1 mol of Mg reacts with 0.1 mol HCl according to the following equation:



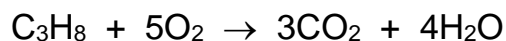
(b) 0.5 moles of Na_2CO_3 react with 0.6 mol hydrochloric acid?



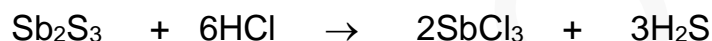
(c) 0.4 moles of sodium react with 0.2 mol water?



(d) 0.01 mol C_3H_8 react with 0.04 mol O_2 ?



(e) 2 moles of HCl react with 0.8 mol Sb_2S_3 ?

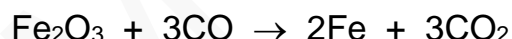


2 Which is the limiting reactant in each case?

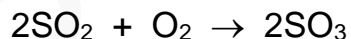
(a) 0.1 mol HCl react with 0.2 mol CaCO_3 ?



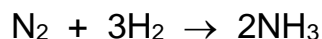
(b) 0.9 mol carbon monoxide react with 0.6 mol iron oxide?



(c) 2.7 mol O_2 react with 5 mol SO_2 ?



(d) 2.4 mol N_2 react with 0.8 mol H_2 ?



(e) 4 mol O_2 react with 4 mol K?

