Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

**Label the reactants as limiting or excess:**

1) 2 C6H6 + 15 O2🡪 6 H2O + 12 CO2

454 grams of C6H6 are added to 358 grams of O2

2) 4 NaI + Pb(SO4)2🡪 PbI4 + 2 Na2SO4

33 grams of NaI are added to 72 grams of Pb(SO4)2

3) 4 NH3 + 5 O2🡪 4 NO + 6 H2O

8521 grams of NH3 are added to 4865 grams of O2

4) H3PO4 + 3 NaBr🡪 3 HBr + Na3PO4

17.54 grams of H3PO4 are added to 22.23 grams of NaBr

5) 2 HNO3 + Mg(OH)2🡪 2H2O + Mg(NO3)2

853 grams of HNO3 are added to 745.8 grams of Mg(OH)2

6) 3 C + 4 H2🡪 C3H8

3645 grams of C are added to 12258 grams of H2

7) 2 CaO + MnI4🡪 MnO2 + 2 CaI2

65 grams of CaO are added to 88 grams of MnI4

8) Fe2O3 + 3 H2O 🡪 2 Fe(OH)3

589 grams of Fe2O3 are added to 1976 grams of H2O

9) C2H2 + 2 H2🡪 C2H6

5225 grams of C2H2 are added to 87778 grams of H2

10) 4P + 3 O2 🡪 2 P2O3

755 grams of phosphorus are added to 555 grams of oxygen