Balancing Equations Practice 1

Balance the following equations using the method shown in class.

1. 2 Ca + O2 → 2 CaO

Ca = Ca =

O = O =

1. 2 Al + 3 Br2 → 2 AlBr3

Al = Al =

Br = Br =

1. C + O2 → CO2balanced

C = C =

O = O =

1. 2 Zn + O2 → 2 ZnO
2. 4 Na + O2 → 2 Na2O
3. 2 Li + Cl2 → 2 LiCl
4. H2 + Cl2 → 2 HCl
5. 2 H2 + O2 → 2 H2O
6. CaCO3 → CaO + CO2 balanced
7. CH4 + 2 O2 → CO2 + 2 H2O
8. 2 Al + 6 HCl → 2 AlCl3 + 3 H2
9. Mg + 2 HCl → MgCl2 + H2
10. 2 K + 2 H2O → 2 KOH + H2
11. 2 Fe2O3 + 3 C → 4 Fe + 3 CO2
12. CaCl2 + Na2SO4 → CaSO4 + 2 NaCl
13. BaCl2 + Li2SO4 → 2 LiCl + BaSO4
14. H3PO4 + 3 NaOH → Na3PO4 + 3 H2O
15. HNO3 + NaOH → NaNO3 + H2O balanced
16. H2SO4 + 2 NaOH → Na2SO4 + 2 H2O
17. 2 HCl + Na2CO3 → 2 NaCl + H2O + CO2

Balancing Equations Practice 2

Balance the following equations using the method shown in class.

1. 2 Al + 3 Cl2 → 2 AlCl3

Al = Al =

Cl = Cl =

1. 2 Mg + O2 → 2 MgO

Mg = Mg =

O = O =

1. 4 Al + 3 O2 → 2 Al2O3
2. 2 C + 3 H2 → C2H6
3. 4 Li + O2 → 2 Li2O
4. 2 Na + Cl2 → 2 NaCl
5. N2 + 3 H2 → 2 NH3
6. 2 K + I2 → 2 KI
7. 2 NaNO3 → 2 NaNO2 + O2
8. Ca + 2 HCl → CaCl2 + H2
9. 2 HCl + CaCO3 → CaCl2 + H2O + CO2
10. 2 Na + 2 H2O → 2 NaOH + H2
11. 2 HNO3 + Ca(OH)2 → Ca(NO3)2 + 2 H2O
12. H2SO4 + Mg(OH)2 → MgSO4 + 2 H2O
13. 2 HNO3 + Mg(OH)2 → Mg(NO3)2 + 2 H2O
14. CaCl2 + 2 KOH → Ca(OH)2 + 2 KCl
15. MgCl2 + 2 NaOH → Mg(OH)2 + 2 NaCl
16. Fe2O3 + 2 Al → 2 Fe + Al2O3
17. 2 KI + Pb(NO3)2 → 2 KNO3 + PbI2
18. H2SO4 + Ca(OH)2 → CaSO4 + 2 H2O