Balancing Equations Practice 1

Balance the following equations using the method shown in class.

1. C + O2 → CO2

C = C =

O = O =

1. Ca + O2 → CaO

Ca = Ca =

O = O =

1. Al + Br2 → AlBr3

Al = Al =

Br = Br =

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

Balancing Equations Practice 2

Balance the following equations using the method shown in class.

1. Al + Cl2 → AlCl3

Al = Al =

Cl = Cl =

1. Mg + O2 → MgO

Mg = Mg =

O = O =

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