**BALANCING CHEMICAL EQUATIONS WORKSHEET**

1. Na3PO4 + KOH ➔ NaOH + K3PO4
2. MgF2 + Li2CO3 ➔ MgCO3 + Li F
3. P4 + O2 ➔ P2O3
4. RbNO3 + BeF2 ➔ Be (NO3)2 + Rb F
5. AgNO3 + Cu ➔ Cu (NO3)2 + Ag
6. CF4 + Br2 ➔ CBr4 + F2
7. HCN + CuSO4 ➔ H2SO4 + Cu (CN)2
8. GaF3 + Cs ➔ Cs F + Ga
9. Ba S + PtF2 ➔ BaF2 + Pt S
10. N2 + H2 ➔ NH3
11. Na F + Br2 ➔ Na Br + F2
12. Pb (OH)2 + HCl ➔ H2O + PbCl2
13. AlBr3 + K2SO4 ➔ KBr + Al2(SO4)3
14. CH4 + O2 ➔ CO2 + H2O
15. Na3PO4 + CaCl2 ➔ NaCl + Ca3(PO4)2
16. K + Cl2 ➔ K Cl
17. Al + HCl ➔ H2 + AlCl3
18. N2 + F2 ➔ NF3
19. SO2 + Li2Se ➔ SSe2 + Li2O
20. NH3 + H2SO4 ➔ (NH4)2SO4

# Balancing Equations Worksheet – Answers

**Note to students: It is acceptable to leave spaces blank when balancing equations – blank spaces are interpreted as containing the number “1”.**

1. **1** Na3PO4 + **3** KOH ➔ **3** NaOH + **1** K3PO
2. **1** MgF2 + **1** Li2CO3 ➔ **1** MgCO3 + **2** Li F
3. **1** P4 + **3** O2 ➔ **2** P2O3
4. **2** RbNO3 + **1** BeF2 ➔ **1** Be (NO3)2 + **2** Rb F
5. **2** AgNO3 + **1** Cu ➔ **1** Cu (NO3)2 + **2** Ag
6. **1** CF4 + **2** Br2 ➔ **1** CBr4 + **2** F2
7. **2** HCN + **1** CuSO4 ➔ **1** H2SO4 + **1** Cu (CN)2
8. **1** GaF3 + **3** Cs ➔ **3** Cs F + **1** Ga