**Balancing The Most Chemical of Equations**

1. \_\_\_\_\_ Na + \_\_\_\_\_ O2 → \_\_\_\_\_ Na2O
2. \_\_\_\_\_ Ca(CN)2 + \_\_\_\_\_ NaOH → \_\_\_\_\_ NaCN + \_\_\_\_\_ Ca(OH)2
3. \_\_\_\_\_ C2H4 + \_\_\_\_\_ O2 → \_\_\_\_\_ CO2 + \_\_\_\_\_ H2O
4. \_\_\_\_\_ Mg3N2 + \_\_\_\_\_ Na2O → \_\_\_\_\_ Na3N + \_\_\_\_\_ MgO
5. \_\_\_\_\_ AgBr+ \_\_\_\_\_ MnSO4 → \_\_\_\_\_ Ag2SO4 + \_\_\_\_\_ MnBr2
6. \_\_\_\_\_ CH4 + \_\_\_\_\_ I2 → \_\_\_\_\_ C2I4 + \_\_\_\_\_ H2
7. \_\_\_\_\_ Be + \_\_\_\_\_ AgNO2 → \_\_\_\_\_ Ag + \_\_\_\_\_ Be(NO2)2
8. \_\_\_\_ N2 + \_\_\_\_ H2 → \_\_\_\_ N2H4
9. \_\_\_\_ NaClO3 → \_\_\_\_ NaCl + \_\_\_\_ O2
10. \_\_\_\_ CaCl2 + \_\_\_\_ Br2 → \_\_\_\_ CaBr2 + \_\_\_\_ Cl2
11. \_\_\_\_ Zn(NO3)2 + \_\_\_\_ NaF → \_\_\_\_ ZnF2 + \_\_\_\_ NaNO3
12. \_\_\_\_ GaBr3 + \_\_\_\_ K2SO3 → \_\_\_\_ KBr + \_\_\_\_ Ga2(SO3)3

**Topics – Balancing Chemical Equations Practice – KEY**

1. 4 Na + 1 O2 → 2 Na2O
2. 1 Ca(CN)2 + 2 NaOH → 2 NaCN + 1 Ca(OH)2
3. 1 C2H4 + 3 O2 → 2 CO2 + 2 H2O
4. 1 Mg3N2 + 3 Na2O → 2 Na3N + 3 MgO
5. 2 AgBr+ 1 MnSO4 → 1 Ag2SO4 + 1 MnBr2
6. 1 CH4 + 2 I2 → 1 C2I4 + 2 H2
7. 1 Be + 2 AgNO2 → 2 Ag + 1 Be(NO2)2
8. 1 N2 + 2 H2 → 1 N2H4
9. 2 NaClO3 → 2 NaCl + 3 O2
10. 1 CaCl2 + 1 Br2 → 1 CaBr2 + 1 Cl2
11. 1 Zn(NO3)2 + 2 NaF → 1 ZnF2 + 2 NaNO3
12. 2 GaBr3 + 3 K2SO3 → 6 KBr + 1 Ga2(SO3)3