**The Magic of Chemical Equations**

1. \_\_\_\_\_\_ Na2S + \_\_\_\_\_\_ H2O → \_\_\_\_\_\_ NaOH + \_\_\_\_\_\_ H2S
2. \_\_\_\_\_\_ H2SO4 + \_\_\_\_\_\_ Ca(OH)2 → \_\_\_\_\_\_ CaSO4 + \_\_\_\_\_\_ H2O
3. \_\_\_\_\_\_ HNO3 + \_\_\_\_\_\_ NaOH → \_\_\_\_\_\_ NaNO3 + \_\_\_\_\_\_ H2O
4. \_\_\_\_\_\_ C2H4 + \_\_\_\_\_\_ O2 → \_\_\_\_\_\_ CO2 + \_\_\_\_\_\_ H2O
5. \_\_\_\_\_\_ CH3OH + \_\_\_\_\_\_ O2 → \_\_\_\_\_\_ CO2 + \_\_\_\_\_\_ H2O
6. \_\_\_\_\_ CH3COOH + \_\_\_\_\_ NaOH → \_\_\_\_\_ CH3COONa + \_\_\_\_\_ H2O
7. \_\_\_\_\_\_ Fe2O3 + \_\_\_\_\_\_ H2 → \_\_\_\_\_\_ Fe + \_\_\_\_\_\_ H2O
8. \_\_\_\_\_\_ Cu + \_\_\_\_\_\_ HNO3 → \_\_\_\_\_\_ Cu(NO3)2 + \_\_\_\_\_\_ H2
9. \_\_\_\_\_\_ C6H6 + \_\_\_\_\_\_ O2 → \_\_\_\_\_\_ CO2 + \_\_\_\_\_\_ H2O
10. \_\_\_\_\_\_ HCl + \_\_\_\_\_\_ NaOH → \_\_\_\_\_\_ NaCl + \_\_\_\_\_\_ H2O

**The Magic of Chemical Equations - KEY**

1. 1 Na2S + 2 H2O → 2 NaOH + 1 H2S
2. 1 H2SO4 + 1 Ca(OH)2 → 1 CaSO4 + 2 H2O
3. 1 HNO3 + 1 NaOH → 1 NaNO3 + 1 H2O
4. 1 C2H4 + 3 O2 → 2 CO2 + 2 H2O
5. 2 CH3OH + 3 O2 → 2 CO2 + 4 H2O
6. 1 CH3COOH + 1 NaOH → 1 CH3COONa + 1 H2O
7. 1 Fe2O3 + 3 H2 → 2 Fe + 3 H2O
8. 1 Cu + 2 HNO3 → 1 Cu(NO3)2 + H2
9. 2 C6H6 + 15 O2 → 12 CO2 + 6 H2O
10. 1 HCl + 1 NaOH → 1 NaCl + 1 H2O