**BALANCING CHEMICAL EQUATIONS WORKSHEET**

**Associated with 1.23 you are Turn**

**Worksheet 1: Balancing Equations**

Balance each of these equations.

1. NO + O2 → NO2
2. Co + O2 → Co2O3
3. Al + Cl2 → Al2Cl6
4. C2H6 + O2 → CO2 + H2O
5. TiCl4 + Na → Ti + NaCl

**Worksheet 2: Balancing Equations**

Balance each of these equations.

1. Sr + O2 → SrO
2. H2O2 → H2O + O2
3. C3H8 + O2 → H2O + CO2
4. C2H5OH + O2 → H2O + CO2
5. NH3 + Cl2 → NH4Cl + NCl3

**Worksheet 3: Balancing Equations**

Balance each of these equations.

1. Cu + FeCl3 → CuCl2 + Fe
2. Fe + O2 → Fe2O3
3. C2H2 + O2 → H2O + CO2
4. KClO3 → KCl + O2
5. (NH4)2Cr2O7 → Cr2 O3 + N2 + H2O

**Worksheet 4: Balancing Equations**

Balance each of these equations.

1. Fe + S → Fe2S3
2. ZnS + O2 → ZnO + SO2
3. C8H18 + O2 → H2O + CO2
4. Fe3O4 + O2 → Fe2 O3
5. N2O4 + N2H4 → H2O + N2

**Worksheet 5: Balancing Equations**

Balance each of these equations.

1. Ti + Cl2 → TiCl4
2. P4 + O2 → P4O6
3. CH4 + Cl2 → HCl + CHCl3
4. Al + HNO3 → H2 + Al (NO3)3
5. KO2 + H2O → KOH + O2

**Worksheet 6 Balancing Equations**

Balance each of these equations.

1. O2 → O3
2. CH3OH + O2 → CO2 + H2O
3. AsI3 → As + I2
4. Fe2O3 + C → Fe3O4 + CO
5. Al + BaO → Al2O3 + Ba