**Balancing Equations Worksheet With Answer PDF**

### **Introduction**

**Balancing chemical equations is essential in understanding chemical reactions and ensuring the law of conservation of mass is maintained. This worksheet provides practice problems along with answers for self-assessment.**

### **Instructions**

1. **Identify the reactants and products.**
2. **Write the unbalanced equation.**
3. **Balance one element at a time using coefficients.**
4. **Ensure the number of atoms of each element is equal on both sides of the equation.**

### **Practice Problems**

**Problem 1:**

**H2​+O2​→H2​O**

* + **Balanced Equation: \_\_\_\_\_\_\_**

**Problem 2:**

**C3​H8​+O2​→CO2​+H2​O**

* + **Balanced Equation: \_\_\_\_\_\_\_**

**Problem 3:**

**Na+Cl2​→NaCl**

* + **Balanced Equation: \_\_\_\_\_\_\_**

**Problem 4:**

**Fe+O2​→Fe2​O3​**

* + **Balanced Equation: \_\_\_\_\_\_\_**

### **Answers**

1. **2H2​+O2​→2H2​O**
2. **C3​H8​+5O2​→3CO2​+4H2​O**
3. **2Na+Cl2​→2NaCl**
4. **4Fe+3O2​→2Fe2​O3​**