Balancing Chemical Equations Worksheet PDF

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### **Introduction**

**Balancing chemical equations ensures that the same number of atoms of each element is present on both sides of the equation. Use this worksheet to practice balancing equations.**

### **Instructions**

1. **List reactants and products.**
2. **Count atoms for each element.**
3. **Balance each element with coefficients.**
4. **Verify that the equation is balanced.**

### **Worksheet**

1. **Equation 1:**

**C2​H6​+O2​→CO2​+H2​O**

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

1. **Equation 2:**

**P4​+O2​→P2​O5​**

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

1. **Equation 3:**

**H2​+N2​→NH3​**

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

1. **Equation 4:**

**Fe+S8​→FeS**

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

### **Answer Key**

1. **2C2​H6​+7O2​→4CO2​+6H2​O**
2. **P4+5O2→2P2O5**
3. **​3H2+N2→2NH**
4. **8Fe+S8→8FeS**