**Types of Chemical Reactions – Chapter 6.1**

In chemistry we have identified 6 main types of reactions. By following the patterns of these types, we can predict the products of a reaction by analyzing the reactants and following the patterns of reaction types.

**Synthesis**

**Examples**:

**Identify** **by**:

**Decomposition**

**Examples**:

**Identify** **by**:

**Single Replacement**

**Examples**:

**Identify** **by**:

**Double Replacement**

**Examples**:

**Identify** **by**:

**Neutralization**

**Example**:

**Identify** **by**:

**Combustion**

**Examples**:

**Identify by**:

|  |  |  |
| --- | --- | --- |
| **Summary Table** | | |
| **Reaction Type** | **Reactants and Products** | **How to Identify** |
| Synthesis |  |  |
| Decomposition |  |  |
| Single Replacement |  |  |
| Double Replacement |  |  |
| Neutralization |  |  |
| Combustion |  |  |