**Lab 6.1B – Observing Types of Reactions**

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| **Part 1** |
| **Reactants** | **Products** |
| **Observations:**Changes in colour, temperature, appearance:Colour of flame: |
| **Part 2** |
| **Reactants** | **Products** |
| **Observations:**Changes in colour, temperature, appearance:When acid is added: |
| **Part 3** |
| **Reactants** | **Products** |
| **Observations:**Changes in colour, temperature, appearance: |

**Analyze**

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| Predict the products:$Al+CuCl\_{2}\rightarrow $  |
| Word Equation: |
| Balanced Equation: |
| Classify the reaction: |

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| Predict the products:$CaCl\_{2}+Na\_{2}CO\_{3}\rightarrow $  |
| Word Equation: |
| Balanced Equation: |
| Classify the reaction: |

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| Predict the products:$KI\rightarrow $  |
| Word Equation: |
| Balanced Equation: |
| Classify the reaction: |

**Conclude and Apply**

1. Explain why it is helpful to have methods to test the products you have made in a chemical reaction?
2. Apply your knowledge of chemical reactions to classify the reactions, then write the balanced equations for the reaction.
	1. $\\_\\_\\_\\_Cd+ \\_\\_\\_\\_CuF\_{2}\rightarrow $

Reaction Type:

* 1. $\\_\\_\\_\\_CrBr\_{3} +\\_\\_\\_\\_K\_{2}SO\_{4}\rightarrow $

Reaction Type:

* 1. $\\_\\_\\_\\_AuI\_{3}\rightarrow $

Reaction Type: