**Chemical Reaction Notes**

**Vocabulary**: (Use about 5 words or less to describe each of these words.)

1. Chemical Change-

2. Physical Change-

3. Reactants-

4. Products-

5. Chemical Equation-

6. Endothermic-

7. Exothermic-

8. Catalyst-

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| **Section** | **Key Questions** | **Notes** |
| **Section 1: What is a Chemical Reaction?** | What is a chemical reaction? |       |
| What are some examples of chemical reactions? |       |
| What are some examples of physical changes? |       |
| How is a chemical change different from a physical change? |       |
| In terms of molecules, what happens during a chemical reaction? Give an example |            |
| What are reactants?What are products?Compare the reactants with the products. What is the scientific principle called? |                      |
| What happens if you change the amount of reactants? |       |
| **Section 2: Evidence of Chemical Reactions** | What is evidence of a chemical change? | 1.      Example:      2.      Example:      3.      Example:      4.      Example:       |
| **Section 3: Rates of Chemical Reactions** | What influences the rate of a chemical reaction? | 1.      Example:      2.      Example:       |
| **Section 4: Energy in Chemical Reactions** | How do substances interact?What visual can we use to show reactions? |            |
| How is energy involved in breaking bonds?How is energy involved in making bonds? |            |
| What is an exothermic reaction? Give an exampleWhat is an endothermic reaction? Give an example |                      |