**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 example  What is an endothermic reaction?  Give an example |  |