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| **Grade:** High School | **Course:** Chemistry Honors |
| **Benchmark(s):**  SC.912.P.10.7: Distinguish between endothermic and exothermic chemical processes. | |
| **Skills – Students should be able to do** | **Concepts – Student should know** |
| **Verbs** | **Nouns** |
| Classify reactions/changes  Differentiate  Explain enthalpy | Exothermic  Endothermic  Enthalpy |
| **Critical Area of Focus based on CTS:**  Heat and Temperature | |
| **Learning Goal:**  SWBAT:  Classify chemical reactions and phase changes as exothermic or endothermic  Differentiate between exothermic or endothermic reactions  Explain and calculate enthalpy changes | |
| **Essential Question for the lesson:**  What is energy’s role in chemical reactions? | |
| **Supporting questions for the lesson:**  How do we calculate enthalpies of reaction?  Why is it important to know? | |