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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/changesDifferentiateExplain enthalpy | ExothermicEndothermicEnthalpy |
| **Critical Area of Focus based on CTS:**Heat and Temperature |
| **Learning Goal:**SWBAT:Classify chemical reactions and phase changes as exothermic or endothermicDifferentiate between exothermic or endothermic reactionsExplain 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? |