Calorimetry

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| ***Teacher:*** | Ms. Athwal | ***Date:*** | March 31 – April 4 | ***Course:*** | Chemistry | ***Grade:*** | 11 |
| ***CA Standard(s):***  7c *Students know* energy is released when a material condenses or freezes and is absorbed when a material evaporates or melts.  7d *Students know* how to solve problems involving heat flow and temperature changes, using known values of specific heat and latent heat of phase change. | | | | | | | |
| ***Learning Objective (s):***  7.6 – Using calorimetry data, I can utilize my knowledge of temperature change and specific heats to calculate the amount of heat transferred for a reaction. | | | | | | | |
| * ***Essential Question(s):*** Why are flamin’ hot Cheetos so bad for me? ; How much energy is required to turn my Flamin’ Hot Cheetos into a liquid? | | | | | | | |
| **Assessment**:   * Obesity Epidemic Action Plan * Calorimetry Lab Report * Calorimetry Exit Ticket | | | | | | | |
| ***Do Now***:   1. What is entropy? 2. What is the triple point on a phase diagram? 3. What is the critical point on a phase diagram? | | | | | | | |

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| **WHOLE GROUP/ DIRECT INTRUCTION** |
| * Calorimetry * Specific Heat |

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| **SMALL GROUP STATION** |  | **COLLABORATIVE STATION** |  | **COMPUTER ASSISTED STATION** |
| Notes on **calorimetry** and specific heat  Practice calculating equations using: |  | [Calorimetry lab](file://localhost/Users/aathwal/Desktop/Burton%20Tech%20/Unit%207/7.3/7.3.Calorimetry%20and%20Cheetos.doc): How does my body gain fuel from hot cheetos |  | [Homework.7.3](file://localhost/Users/aathwal/Desktop/Burton%20Tech%20/Unit%207/7.3/7.3.HW.Calorimetry.doc) |