Latent Heath and Unit 7 Exam

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| ***Teacher:*** | Ms. Athwal | ***Date:*** | April 7 – April 11 | ***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.  7.7 – I can use the latent heat of phase change to calculate the amount of energy that is released or absorbed during a change of phase. | | | | | | | |
| * ***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**:   * Latent Heat and Calorimetry Exit Ticket * Unit 7 Exam * Unit 7 standards blogging | | | | | | | |
| ***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 * Latent Heat * Unit 7 Exam * Ice Cream Lab |

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| **SMALL GROUP STATION** |  | **COLLABORATIVE STATION** |  | **COMPUTER ASSISTED STATION** |
| Notes on **calorimetry** and specific heat  Practice calculating equations using:  Notes on Latent Heat |  | [Unit 7 Stations Review](file://localhost/Users/aathwal/Desktop/Burton%20Tech%20/Unit%207/7.5/7.5.Stations%20Review.doc) packets  [file://localhost/Users/aathwal/Desktop/Burton Tech /Unit 7/Hot Cold Packs Activity.pdf](file://localhost/Users/aathwal/Desktop/Burton%20Tech%20/Unit%207/Hot%20Cold%20Packs%20Activity.pdf)  Ice Cream Lab! |  | <https://www.youtube.com/watch?v=SEnVe0fGTbQ>  <https://www.youtube.com/watch?v=6lAxBTLgYfU>  Unit 7 standards blogging assignment |