Introduction to Thermodynamics

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***Teacher:*** | Ms. Athwal  | ***Date:*** | March 17 – March 21 | ***Course:*** | Chemistry | ***Grade:*** | 11 |
| ***CA Standard(s):*** 7a *Students know* how to describe temperature and heat flow in terms of the motion of molecules (or atoms).7b *Students know* chemical processes can either release (exothermic) or absorb (endothermic) thermal energy. |
| ***Learning Objective (s):*** 7.1 – I can describe how the motion of molecules relates to temperature. For example, if I have a hot solution and a cold solution, I can explain the motion in the molecules in each one of these solutions.7.2 – I can compare and contrast the ideas of an exothermic reaction and an endothermic reaction. |
| ***Essential Question(s):*** Why are flamin’ hot Cheetos so bad for me?  |
| **Assessment**: * Literacy reading annotation
* Unit 6 Exam reflection
* Unit 6 exam test corrections
* Exit Ticket
 |
| ***Do Now***:1. 1What does the Latin root exo- mean?
2. What does the Latin root endo- mean?
 |

|  |
| --- |
| **WHOLE GROUP/ DIRECT INTRUCTION** |
| * Grade Unit 6 Exam
* Endothermic vs. Exothermic lecture
 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SMALL GROUP STATION** |  | **COLLABORATIVE STATION** |  | **COMPUTER ASSISTED STATION** |
| Lab results discussion  |  | [Exothermic/Endothermic inquiry based lab](../../Hot%20Cold%20Packs%20Activity.pdf) preformed at tables with lab group using CaCl2 and NH4NO3  |  | Edmodo Unit 6 exam reflection Watch this video (don’t need to take notes): <http://www.youtube.com/watch?v=yvyHVA1Ww_M>And then copy down and annotate 7.1 notes from google drive on Exothermic/Endothermic reaction  |