**COMMUNIQUE #8**

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| **Course: Chemistry Lab** | **Instructor: Robert Vetter** |

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| **Week 29: Spring Break Vacation** |
| **Week 30 Activities/Concepts: Chemical Thermodynamics****Energy Transfer**  **A. Temperature, Heat Flow and Molecular Motion**  **B. Exothermic and Endothermic Reactions** **Activities: Pizza Warmer Project, q=mcAT****Suggested Home Study: Research Thermodynamics and heat transfer. Read corresponding material in your text book or find online resources that align with the topic at hand.** |
| **Week 31 Activities/Concepts: Chemical Thermodynamics****Energy Transfer** **C. Calculating Molar Heat Capacity**  **D. Calculating Molar Enthalpy Change** **Activity: Pizza Warmer project continued. Solar Oven. Four Laws oif Thermodynamics, Types of heat transfer.****Suggested Home Study: Research the Laws of Thermodynamics. Read corresponding material in your text book or find online resources that align with the topic at hand.** |
| **Week 32 Activities/Concepts: Chemical Thermodynamics****Energy Transfer** **E. Calorimetry****Activities: Solar Oven, Calorimeter****Suggested Home Study: Research Calorimetry and solar oven design. Read corresponding material in your text book or find online resources that align with the topic at hand.** |