**Key Vocabulary: Week 4.0: Thermochemistry**

***Complete ALL Week 4.0 and 4.5 flashcards and study over the weekend.***

 ***Week 4.0- Flashcards on Monday AND Tuesday, Quiz on Tuesday, 7/9.***

1. **Calorie:** a unit of energy, typically used to measure the energy content of food.
2. **Thermochemistry:** the study of the flow of energy in chemical reactions and processes.
3. **Calorimeter:** an insulated device used to measure the energy released by chemical reactions.
4. **Endothermic:** a term used to describe chemical processes which absorb energy. Feels cold to the touch.
5. **Exothermic:** a term used to describe chemical processes which release energy. Feels warm to the touch.
6. **Energy:** the ability to do work. Measured in calories and joules.
7. **Enthalpy:** a measure of the energy gained or released in chemical reactions and physical changes such as phase changes.
8. **Temperature:** a measure of the vibrations in matter due to "stored" energy. NOT the same as energy, but they are related.
9. **Joule:** a unit of energy, typically used in chemical reactions and physical changes.
10. **Law of Conservation of Energy:** "energy can neither be created nor destroyed."
11. **Specific Heat:** "c", a measure of how the temperature of a substance changes with energy increases. Insulators have a high specific heat, conductors are low "c".
12. **Surroundings:** everything outside of the chemical reaction or process being studied.
13. **System:** the reaction or process being measured/studied.