SSI Study Guide: Modeling Conservation of Energy

Vocabulary

* Endothermic
* Exothermic
* Reactant
* Product
* Catalyst
* Heat
* Temperature
* Activation energy
* Activated complex
* Potential energy
* Kinetic energy
* Entropy
* Enthalpy
* Bond energy
* System

Concepts

1. Pictorial representation of a chemical reaction (see Do2)
2. Understanding graphs that show the energy balance during a chemical reaction
3. Law of Conservation of Energy
4. First Law of Thermodynamics
5. Law of Conservation of Mass
6. Apply this law to a chemical reaction
7. Energy as the driving force of a chemical reaction
8. How does bond energy affect the stability of a molecule?
9. What is matter?

What do **you** have to focus on (weaknesses)?