

Ch. 6 – Thermochemistry - To reassess, you must complete accurately.

FP- "For Practice"- found within the chapter (FMP is for more practice), CC- "Conceptual Connection" – found within the Chapter, SAQ- Self-Assessment Quiz, numbered questions (with no acronym) are exercises at the end of the chapter. **Complete all parts to each question unless otherwise specified.**

Always answer and explain/show work- see selected SAQ and CC questions

FROM NOW ON, check your official AP formula sheet as you read. You can always use it on the tests and quizzes, so you should make note of what is available so you know what you can reference during assessments and the AP exam ☺

Required Topics for Notes	Video Title	Video Link	Length	Problems	Pages
Heat, kinetic energy, potential energy, chemical energy, law of conservation of energy, system, surroundings, formula for KE with labels, and description of J, cal and Cal, state function with drawing and labels from figure 6.5	Conservation of Energy	http://www.bozemanscience.com/ap-chem-049-conservation-of-energy	4:08	CC 6.1	249-255
Specific heat capacity, molar heat capacity, labeled formula for heat (bottom of 259), beaker picture with explanation from page 261, calorimetry, bomb calorimeter	Calorimetry: Crash Course Chemistry #19	https://www.youtube.com/watch?v=JuWtBR-rDQk	11:56	FP 6.2, FMP 6.2, CC 6.3, FP 6.3 (draw a picture 1 st), CC 6.4, SAQ #3	258-266
Enthalpy, endothermic and exothermic reactions, enthalpy of reactions,	Endothermic and Exothermic Reactions	http://www.bozemanscience.com/ap-chem-033-endothermic-exothermic-reactions	4:34	FP 6.6, CC 6.6, #57	267-272 Read p.269, especially "a molecular view"
Hess's law, standard state, standard enthalpy change, standard enthalpy of formation, formula for enthalpy of reaction with labels	Enthalpy of Reaction, Hess's Law	http://www.bozemanscience.com/ap-chem-053-net-energy-change	8:02	These are like fun puzzles, yay! FP 6.9, FMP 6.9, SAQ #9 & #77	272-280