

STUDY GUIDE CH 1&2: AP Chemistry -Problems: note the answers to all these are either directly under the question, at the end of the Chapter or in Appendix II or Appendix IV (if you get an answer wrong, it is your fault for not checking it, so be careful)

Abbreviations for Homework Problems in your AP Chem book.
Chemistry: A Modern Approach (Tro)

FP= For Practice- found within the chapter (**FMP** is for more practice)

CC= Conceptual Connection – found within the chapter

SAQ= Self-Assessment Quiz. You must write a sentence explaining each answer for SAQ's
 Numbered questions (with no acronym- like number #41 in the second row below) are exercises at the end of the chapter.

Ch. 1 Matter, Measurement, & Problem Solving:

Words to Define	Video Title	Video Link	Length	Problems	Pages
Hypothesis, law of conservation of mass, theory	Scientific Method	http://www.boyzscience.com/scientific-method	Approx. 6:00 *watch ONLY from 4:49-end	CC 1.1	1-5
Amorphous, crystalline, pure substance, homogeneous vs. heterogeneous mixture, decanting, distillation, volatile, filtration	Matter	http://www.boyzscience.com/matter	9:16	Draw and label figures 1.4-1.6, FP 1.1, CC 1.3, SAQ 2 (did you read the note above about writing a sentence?) , SAQ 11, 41, 49	5-13
Intensive property, extensive property, exact numbers		http://www.boyzscience.com/significant-digits	11:18	CC 1.4, FP 1.2, CC 1.5, FP 1.3, FMP 1.3, CC 1.6, FP 1.4, FP 1.5, FP 1.6	13-26
Dimensional analysis (aka factor label method) conversion factor,	Factor Label Method	http://www.boyzscience.com/factor-label-method	9:50	FP 1.7, FP 1.8, FP 1.9, SAQ #8	26-33

Ch 2 follows on the next page

Ch. 2 – Atoms and Elements

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

Topics for Sketch Notes	Video Title	Video Link	Length	Problems	Pages
Law of Definite Proportions, Law of Multiple Proportions	Elements and Molecules	http://www.bozemanscience.com/ap-chem-001-molecules-elements	6:08	FP 2.1, FP 2.2, 39	47-50
Amu, atomic number, isotope, mass number, atomic mass, mass spectrometry	Mass Spectrometry	http://www.bozemanscience.com/ap-chem-009-mass-spectrometry	8:19	FP 2.3, FP 2.5, SAQ 15 (choose letter and explain answer), 71, 73	56-59, 65-69
Mole, Avogadro's number, molar mass	The Mole	http://www.bozemanscience.com/ap-chem-003-the-mole	7:01	FP 2.6, FP 2.7, FMP 2.7, SAQ 14 (choose and explain)	69-73