

Ch. 3 – Molecules, Compounds and Chemical Equations

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.**

Required Topics for Notes	Video Title	Video Link	Length	Problems	Pages
Molecular compound, empirical formula, molecular formula, structural formula, ball-and-stick model, space-filling model, formula unit	*Review naming throughout this section as needed. All naming types are subject to quiz questions.	Lecture was done in class, so no notes required for this portion		FP 3.1, FP 3.2, FP 3.3, FP 3.4, FP 3.5, FMP 3.5, FP 3.6, FMP 3.6, FP 3.7, FMP 3.7, FP 3.8, FMP 3.8, FP 3.9, FP 3.10, FMP 3.10, 23, 25, 27, 31, 51, 53, 157, SAQ 1 (answer and explain)	87-106
Formula mass, mass percent	Intro to Mass Percent	https://www.youtube.com/watch?v=HmMPYp1pYrY *Watch/fast-forward as needed for you personally	15:24*	FR 3.12, FP 3.13, FMP 3.13, FR 3.14, FMP 3.14, FP 3.15, FMP 3.15, SAQ 10 (answer and explain)	107-113
Empirical formula molar mass, combustion analysis *I am going to EXTENSIVELY teach this portion in class, so don't freak out or worry too much about this math right now	Chemical Analysis	http://www.bozemanscience.com/ap-chem-002-chemical-analysis	7:23	FP 3.19, 79	114-118
Balancing Equations	Beginner's Guide to Balancing Equations	http://www.bozemanscience.com/beginners-guide-balancing-equations ***Only watch the LAST two minutes (unless you are struggling) -Watch this short one, too https://www.youtube.com/watch?v=En3Jzso0fP4	2:00 and 1:29	FP 3.22 FP 3.23, FR 3.24, 101, 103, 105, 107, SAQ 15 (answer and show work)	119-123

