

Organic Chemistry II CHM 3150, Dr. Laurie S. Starkey, Cal Poly Pomona
Ch. 20 (Klein): Carb. Acids & Derivatives, Textbook Problems Cover Sheet

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A note on the proper use of the Solutions Manual Being a good student with great study skills means working on a textbook problem...and then checking your answer! WileyPLUS will automatically check your answer, but when working offline you can check for yourself in the Solutions Manual. Now, what should you do when you discover your answer is wrong? You can erase it and write the correct answer, but a better habit would probably be to put an "X" through the wrong answer and then draw the correct answer next to it...your own "free red ink." You might even add a note (to yourself) on why your answer was wrong – please note that every solution has a lengthy explanation to accompany the answer! With this approach, you can see what mistakes you've made in the past and perhaps you will be less likely to repeat them. (Either approach is fine for problems you are turning in for homework credit, however **students who simply copy answers from the Solutions Manual and submit them as their own work will not earn credit on this assignment.**) Having the option to "grade" your own work is a huge advantage to working on textbook problems the old-fashioned way (pencil to paper, or stylus to tablet...), and it reinforces the fact that there is often more than one suitable reagent.

Do I have to do them all to earn +10 points credit? No! If a problem has parts a-d and you can easily do the first few, then move on to something new and more challenging. **Be sure to work on problems of all types**, because that's what you will see on the exam (nomenclature, predict the product/reagent/starting material, explain/short answer, mechanism, synthesis). The more problems you work on, the higher your midterm score will be, so that is your motivation for working on textbook problems! I will apply a reasonable threshold to indicate "yes you have done EOC problems" and give you credit for doing so (the same applies to your score on WileyPLUS).

Suggested Ch. 20 EOC problems, in addition **SkillBuilders 20.1 – 20.3** & problems 1-32 (skip 8, 10bce, 12dg, 13ab, 16cd, 27bc, 28a, 30ehj, 32c) **Mechanisms and **Synthesis (good to work on by hand, self-correct w/Solutions Manual)*

35ab	49a-f**	62	73
36	51a-d**	63	74
37c-g	53a-?	64	75
38a-c	54**	65	76
41a-c**	55	66	77
42ab**	56*	67	80*
44a-h (skip g)	57*	69g	Ch. 12: 12.12d*, 12.16,
45a-d	58	70	12.17*, 12.48b* 12.51*
46abdfgh	60	71	12.52*
47ab	61a-e*	72	Ch. 19 problem 19.32ab