

Organic Chemistry II CHM 3150, Dr. Laurie S. Starkey, Cal Poly Pomona
Ch. 12 (Klein-Starkey): Alcohols & Phenols, Textbook Problems Cover Sheet

Name: _____ Signature: _____
By signing, you are confirming that the work you are submitting is your own.

To earn 10 points course credit, you must write and sign your name above, check one of the boxes below, and submit this page to Gradescope. If you worked problems by hand on paper (or tablet), complete this cover page and include it as the first page of the pdf you submit. Use Genius Scan (or equivalent app) to convert your handwritten homework to a clean, readable pdf: *please crop your pages and apply a Black & White filter.*

Handwritten and/or WileyPLUS textbook problems? Please mark the appropriate box below.

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hand-written only

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hand-written problems & WileyPLUS

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WileyPLUS only

For hand-written work, students need to do at least 40 problems for full credit. You are expected to use the SSM to self-grade your hand-written work, and it should not be error-free or without corrections! *Students who simply copy answers from the Solutions Manual and submit them as their own work will not earn credit on this assignment.* In WileyPLUS, there are over 385 points that can be earned (~2 points per problem). **A WileyPLUS score of 80 or higher will earn full homework credit.** Partial homework credit will be given for scores below 80.

Suggested Ch. 12 problems **Mechanisms and **Synthesis (good to work on by hand, self-correct w/Solutions Manual)*

In-Chapter Problems (includes SkillBuilders 12.1–12.9)

12.1 a–f	12.7	12.14 a–d	12.23**
12.2 a–c	12.8 a–f	12.15 a–f**	12.24 a–f**
12.3	12.9 a–d	12.18 ab**	12.25
12.4 a–d	12.10 a–f	12.19 a–f	12.26 ab**
12.5 a–c	12.12 a–c*	12.21 ab	12.27 a–f**
12.6 b–d	12.13*	12.22 a–f	




Problem 12.7

Rich in vitamin C and flavonoids, grapefruit is good for your health, but it should not be taken with certain drugs. Grapefruit can interfere with enzymes that break down drugs (thus effectively increasing the dose), or it can interfere with drug absorption (resulting in the body not getting the full dose).

End-of-Chapter (EOC) Problems

12.29 a–e	12.40*	12.50 ab	12.62 a–h	12.67**
12.30 a–f	12.41	12.53	12.63	12.70
12.31	12.42	12.54	12.64 a–?	12.72
12.32 ac	12.43**	12.55	12.65 a–q**	12.74*
12.34 a–k	12.44 ab*	12.56	12.66 ab**	12.83
12.35	12.45 c*	12.57		
12.36 a–d**	12.46 a–f	12.58		
12.37 a–c**	12.47 a–e	12.59		
12.38 a–c	12.48 ab*	12.60		
12.39 a–g**	12.49 ab	12.61		



12.83

In the cited study, researchers found that over 50% of the essential oil was lost upon drying and storage of marijuana samples, but the dried buds still retained their characteristic odor.