

Organic Chemistry II CHM 3150, Dr. Laurie S. Starkey, Cal Poly Pomona
Ch. 13 (Klein-Starkey): Ethers & Epoxides, 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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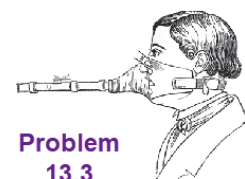
WileyPLUS only

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 300 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. 13 problems **Mechanisms and **Synthesis (good to work on by hand)*

In-Chapter Problems (includes SkillBuilders 13.1–13.7)

13.1 a–e	13.6**	13.14	13.18*	<div>13.3</div> <div>An illustration from the 17th century depicting an apparatus for the inhalation of vapors.</div>
13.2 ab	13.7	13.15 a–f*	13.19 a–d**	
13.3	13.10 a–f	13.16*	13.20**	
13.5 a–d**	13.13 a–d	13.17 a, c–f*	13.21 a–i**	



Problem 13.3

An illustration from 1881 depicting an apparatus for the inhalation of ether.

End-of-Chapter (EOC) Problems

13.26 abef	13.38 a–d*	13.49
13.28 a–?	13.39 a–c*	13.50
13.29 a–c**	13.40	13.51
13.30*	13.41*	13.52
13.31 ab*	13.42 a–c	13.53
13.32 a–d	13.43 ab**	13.59 a–l !!**
13.34	13.45	13.59 o–u !!**
13.35*	13.46	13.64*
13.36 a–d**	13.47	13.65*
13.37 a–f	13.48	13.67



Problem 13.14

The maintenance of a healthy forest requires the identification and mapping of any harmful pests that may be present. Insect pheromones can be used as a lure in the traps used for such surveys.

Also from Ch. 8, 8.31 a–f

Problem 13.18



The microbe *Aspergillus niger* is responsible for black mold. It can also be used to catalyze enantioselective oxidations in the laboratory.