

Checklist for Test 3. Alkenes Chemistry

- You may find it helpful to print or download the checklist, and mark things off as you complete them.
- Completing them as sequenced on the lectures website would be efficient.
- <http://web.mnstate.edu/jasperse/Online/Lectures350online.html#test3>

1. Lectures: Attended Lectures and Studied/Mastered the Lecture Content

- Reviewed and studied the content so that I can remember and apply it! ☺
- If I missed a class, or didn't understand or "get" some of the content, video recordings of lectures are found here: <http://web.mnstate.edu/jasperse/Chem350/chem350lectures.htm>
- If you know in advance you'll be missing a class, the same lectures site has lectures

2. Complete Sapling (2 assignments, required for points toward grade)

- <http://www2.saplinglearning.com>
- Ch 7 Alkenes. Structure and Synthesis
- Ch 8 Alkene Addition Reactions

3. Complete/master three extra Practice Sets (4 sets, not required for points towards grade)

- <http://web.mnstate.edu/jasperse/Chem350/Chem350.html#test3>

1. Test 3 Extra Practice 1. Miscellaneous Alkenes problems; EU; nomenclature; alkene synthesis; mechanisms; synthesis design; recognition of cationic/anionic/radical mechanism; fundamental arrow-pushing practice
2. Test 3 Extra Mechanisms Practice. 18 mechanism practice problems, specific to the types you'll need to be able to do for Test 3.
3. Test 3 Alkene Reactions Practice. 2 pages, some product prediction practice including some alkene reaction mechanisms.
4. Test 3 Extra Synthesis Practice (6 pages)
 - Page 1: Synthesis Design Practice.
 - Page 2+3: Predict the Product Practice (including some that involve stereochemistry).
 - Page 4: Cis/trans Stereospecific reactions: which recipe to use; which E or Z alkene to use.
 - Page 5: Recognizing cationic/anionic/radical reactions, and reasonable intermediates/first steps
 - Page 6: Elements of unsaturation/hydrogenation problems; ozonolysis puzzle problems.

4. Complete/master 4 Practice Tests (Not required for points towards grade)

- <http://web.mnstate.edu/jasperse/Chem350/Practice%20Tests/Chem350PracticeTests.html>
- Practice Test 3 Version 1
- Practice Test 3 Version 2
- Practice Test 3 Version 3
- Practice Test 3 Version 4

5. Do recommended Book Problems (Not required for points towards grade)

- <http://web.mnstate.edu/jasperse/Online/BookProblems350.pdf>

6. Studied and Studied and Practiced and Studied and Practiced a Lot!

7. Skim/Read recommended Book Sections (Not required for points towards grade)

- <http://web.mnstate.edu/jasperse/Online/Book-Readings.pdf>