Academic Honesty Policy. Academic honesty is strictly enforced on quizzes, exams, and other aspects of this course. Academic dishonesty will result in a failing grade in the class and a letter in the student's file. Activities constituting academic dishonesty include:

Cheating
- Copying from others during an examination.
- Communicating exam answers with other students during an examination.
- Offering another person's work as one's own.
- Taking an examination for another student or having someone take an examination for oneself.
- Tampering with an examination after it has been corrected, then returning it for more credit.
- Using unauthorized materials, prepared answers, written notes, or concealed information during an examination.

Dishonest Conduct
- Stealing or attempting to steal an examination or answer key from the instructor.
- Allowing another student to copy off of one's own work during a test.

Collusion
- Any student who knowingly or intentionally helps another student perform any of the above acts is subject to discipline for academic dishonesty.

I understand and will abide by this academic honesty policy: ____________________________ (signature) Seat: ______

1. Draw the structure corresponding to the following name. (Smith 4th ed. 19.29c, 2 pts)

(2R)-2-chloropropanoic acid

2. Rank the following in order of increasing boiling point: ____ < ____ < ____ (Smith 4th ed. 19.32b, 2 pts)
   A. CH₃COCH₂CH(CH₃)₂
   B. (CH₃)₂CHCH₂COOH
   C. (CH₃)₂CHCH₂CH(OH)CH₃

3. Identify the compounds in the following reaction sequence. (Smith 4th ed. 19.34a, 2 pts)

1. BH₃
2. H₂O₂; HO⁻ CrO₃ H₂SO₄; H₂O

4. Rank the following in order of increasing basicity: ____ < ____ < ____ (Smith 4th ed. 19.39a, 2 pts)
   A. BrCH₂COO⁻
   B. (CH₃)₃CCOO⁻
   C. BrCH₂CH₂COO⁻

5. Match the ¹³C NMR data to the appropriate structure. (Smith 4th ed. 19.61, 2 pts)

Spectrum 1: signals at 14, 22, 27, 34, 181 ppm: ____
Spectrum 2: signals at 27, 39, 186 ppm: ____
Spectrum 3: signals at 22, 26, 43, 180 ppm: ____