

Name: _____

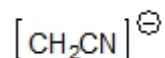
Organic I Lecture

Fall 2011

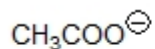
Quiz #1

(10 points)

1. Provide the major resonance contributor to the overall resonance hybrid. Include any formal charges. (3 points, problem 2-7d)



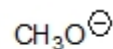
2. Which sequence correctly ranks the following compounds in order of increasing basicity? (3 points)



1

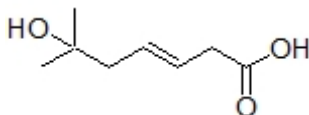


2



3

- a) 1<2<3 b) 2<3<1 c) 3<1<2 d) 3<2<1 e) 2<1<3 f) 1<3<2
3. Which of the following is the correct condensed form for the structure below? (2 points)



- a) $\text{CH}_3\text{COH}(\text{CH}_3)\text{CH}_2\text{CHCH}_2\text{CO}_2\text{H}$ c) $\text{HOC}(\text{CH}_3)_2\text{CH}=\text{CHCH}_2\text{CO}_2\text{H}$
b) $\text{C}(\text{CH}_3)_2\text{OH}(\text{CH})_2(\text{CH}_2)_2\text{CO}_2\text{H}$ d) $\text{C}(\text{CH}_3)_2\text{OHCH}_2(\text{CH})_2\text{CH}_2\text{CO}_2\text{H}$
4. What intermolecular attractions exist in a pure solution of $\text{C}(\text{CH}_3)_2\text{Cl}_2$? (2 points)