

Name: \_\_\_\_\_

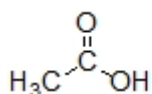
**Organic I Lecture**

**Spring 2012**

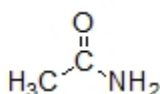
**Quiz #1**

(10 points)

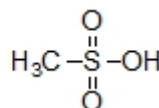
1. Which sequence ranks the following structures in order of decreasing acidity? (3 points, problem 1-52)



**1**



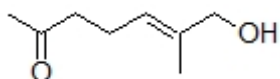
**2**



**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
2. If a carbon center has a trigonal planar geometry, then the hybridization of the carbon is \_\_\_\_\_ and the bond angle between groups of electrons is \_\_\_\_\_. (2 points)

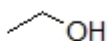
3. Convert the following line-angle structure to a condensed structure. (3 points)



4. What intermolecular attractions exist in a solution of acetone and ethanol? (2 points)



acetone



ethanol