

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

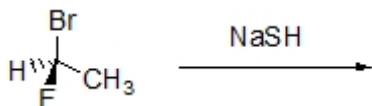
**Organic I Lecture**

**Fall 2012**

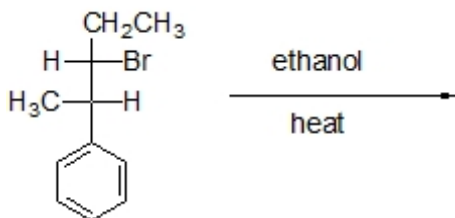
**Quiz #5**

(10 points)

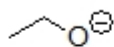
1. Complete the reaction below by drawing a correct structure for the expected product. (3 points, problem 6-20d)



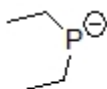
2. Draw the major substitution and the major elimination product of the following reaction in a perspective structure. (4 points)



3. Which sequence ranks the following structures in order of increasing strength as a nucleophile? (2 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