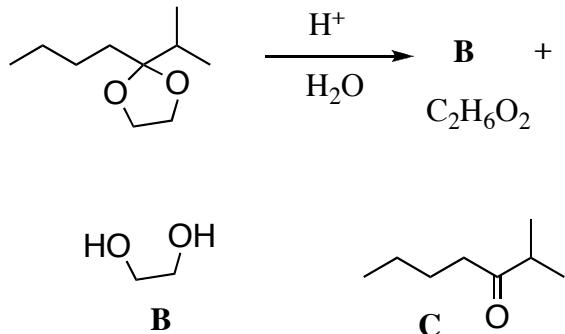


Fall 2008

Homework #6

due: 10 a.m. Mon. Oct 20th

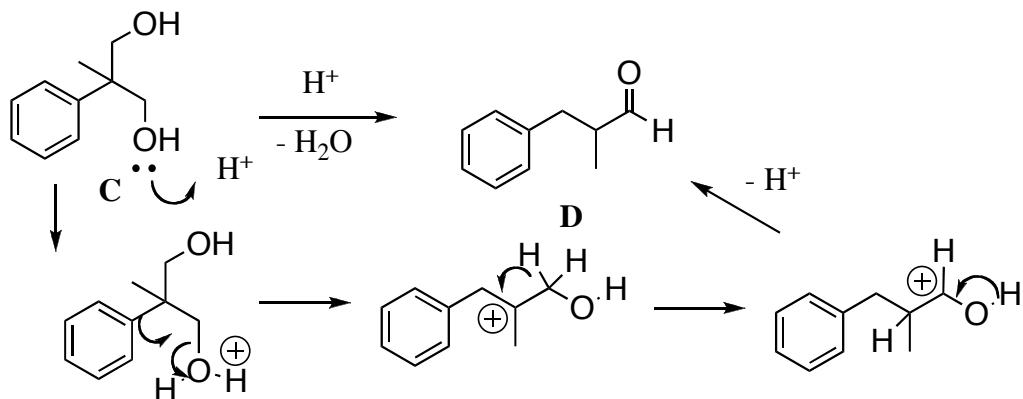
1. (10 points) Draw the structures of **B** and of **C**.



**<sup>13</sup>C NMR**

215.0, s	<b><sup>1</sup>H NMR</b>
40.8, d	0.89, t, J = 7.6 Hz, 3H
40.1, t	1.08, d, J = 7.1 Hz, 6H
26.0, t	1.3-1.6, m, 4H
22.5, t	2.45, t, J = 7.4 Hz, 2H
18.3, q (2)	2.61, hept, J = 7.1 Hz, 1H
13.9, q	

2. (10 points) Draw an arrow-pushing mechanism for the following transformation.



3. (10 points) Write the structure of **E**, and show your reasoning.

