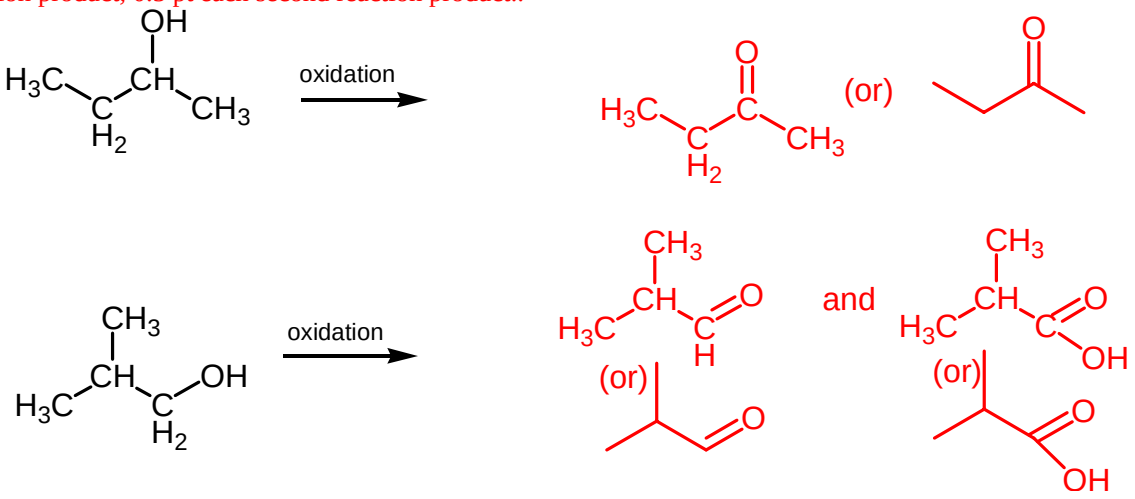
CHM 2200C **Quiz 5** **Name** KEY
February 16, 2005 **(Please Print)**

Grade 10 of 10 points

Points

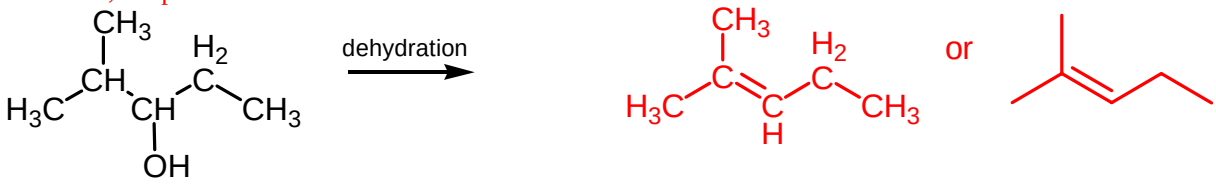
(2) 1. Draw the **oxidation product** of the following alcohols. If two products are possible, draw both of them. If no reaction occurs, write N.R.

1 pt first reaction product, 0.5 pt each second reaction product..



(2) 2. Name the following alcohol, draw its dehydration product (according to Saytzeff's rule), and name the dehydration product.

1 pt structure, 0.5 pts each name

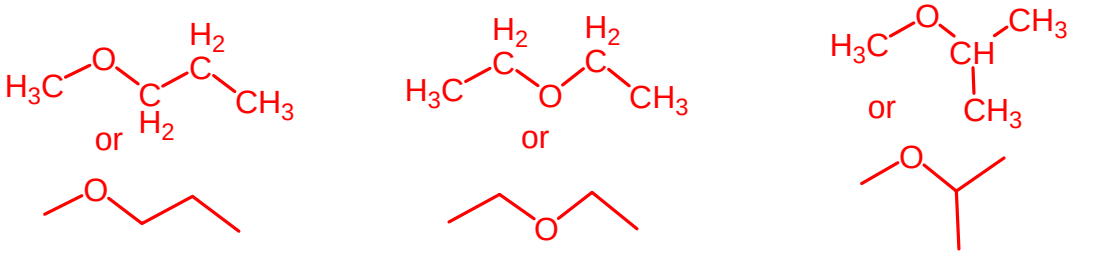


Name: 2-methyl-3-pentanol Name: 2-methyl-2-pentene

(6) 3. There are three isomeric saturated ethers with the formula $C_4H_{10}O$. Draw each structure, and give both the common name and the IUPAC name for each.

1 pt each structure, 0.5 pts each name

Structure:



Common Name: methyl propyl ether diethyl ether isopropyl methyl ether

IUPAC Name: 1-methoxypropane ethoxyethane 2-methoxypropane