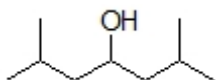


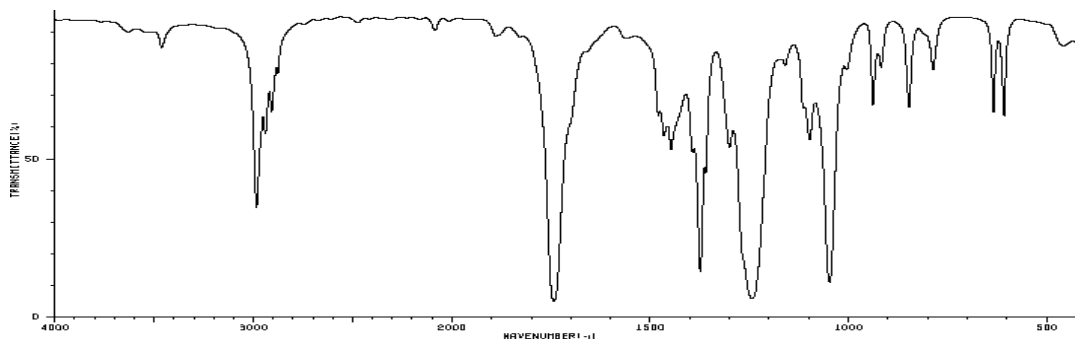
Name: _____

Organic II Lecture
Fall 2012
Quiz #1
(10 points)

1. The mass spectrum of 2,6-dimethylheptan-4-ol gave prominent peaks at m/z values of 111 and 87. Provide structures for these two fragments. (4 points, problem 12-11)



2. What functional group is contained in the following IR spectrum? (2 points)



- Turn the page over -

3. Using the scale below, provide a ^1H NMR spectrum for the following compound. Justify your answer by correlating each peak with each proton environment. (4 points)

