

Last Name:

First Name:

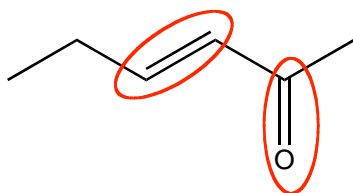
UTEID:

SCORE: **KEY**

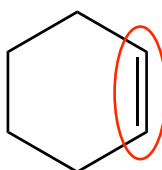
POW 1 CH 310N

Due September 8, 2009

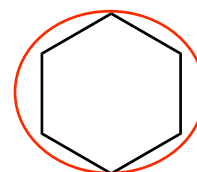
Instructions for this set: Circle the functional group(s) which is (are) IR active and give the wavenumber of the absorption(s).



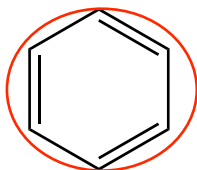
C=O 1670-80 cm^{-1}
C=C 1660-75 cm^{-1}



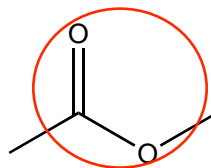
C=C 1660-75 cm^{-1}



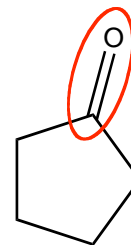
2850-3000 cm^{-1}



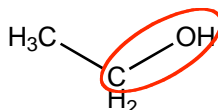
3030, 1500, 1600 cm^{-1}



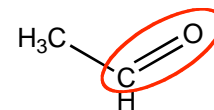
C=O 1735 cm^{-1}
C-O 1050-1250 cm^{-1}



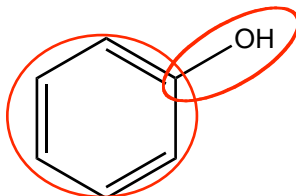
C=O 1710-15 cm^{-1}



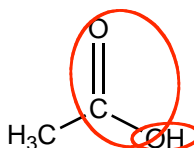
O-H 3200-3400 cm^{-1}
C-O 1050-1250 cm^{-1}



C=O 1720-25 cm^{-1}



O-H 3200-3400 cm^{-1}
C-O 1050-1250 cm^{-1}
Ar-H 3030 cm^{-1}
C=C 1500, 1600 cm^{-1}



O-H 3200-3400 cm^{-1}
C-O 1050-1250 cm^{-1}
C=O 1710 cm^{-1}