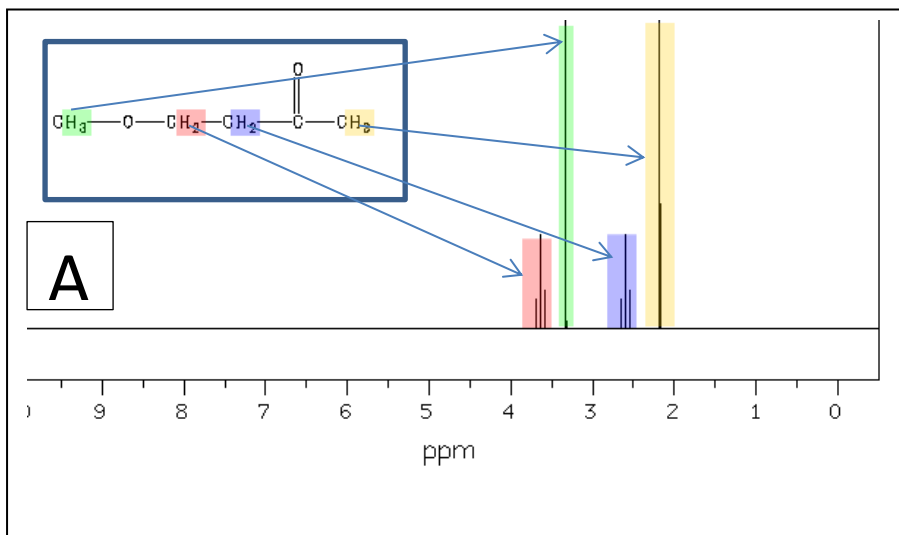


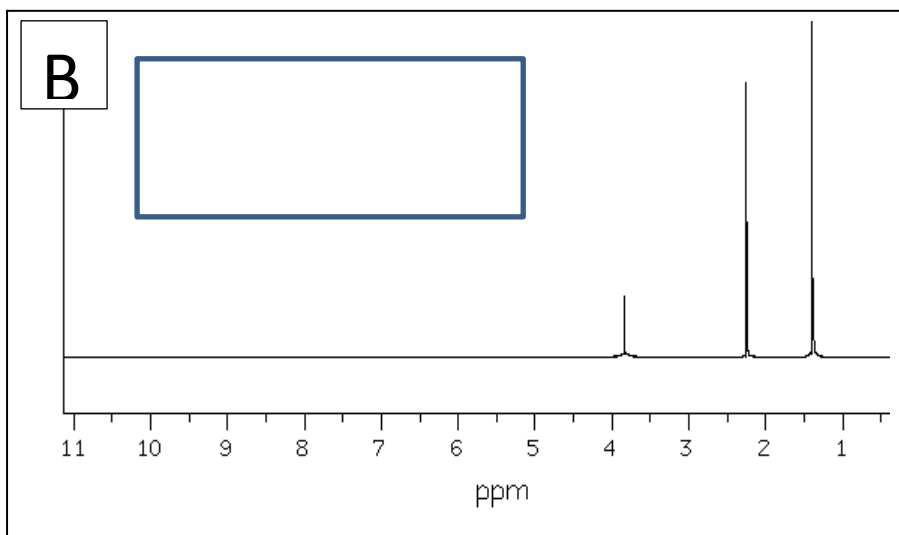
Friday Worksheet
¹H NMR spectroscopy 3

Name:

- 1) Consider the following ¹H NMR spectra. They represent molecules with the molecular formula C₅H₁₀O₂ their semi-structural formulae are shown on the right.

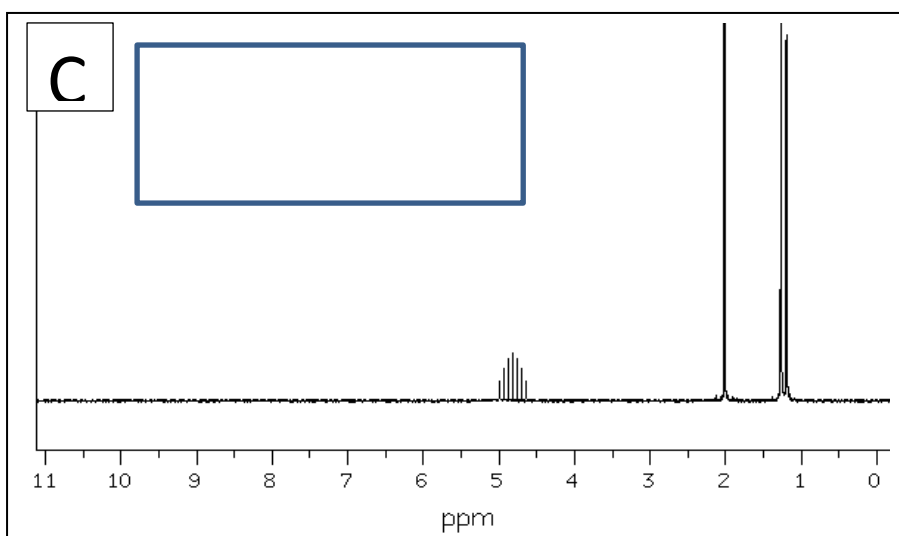


- a) CH₃C(CH₃)₂COOH
- b) CH₃CH(CH₃)COOCH₃
- c) CH₃COOCH₂CH₂CH₃
- d) CH₃COOCH(CH₃)CH₃
- e) CH₃COH(CH₃)COCH₃
- f) CH₃OCH₂CH₂COCH₃



1) Match the spectrum with the molecule.

A = f
 B =
 C =
 D =
 E =
 F =



2) Draw the structural formula of each molecule and indicate the hydrogens that represent each signal in the spectrum.
 A is already done for you

