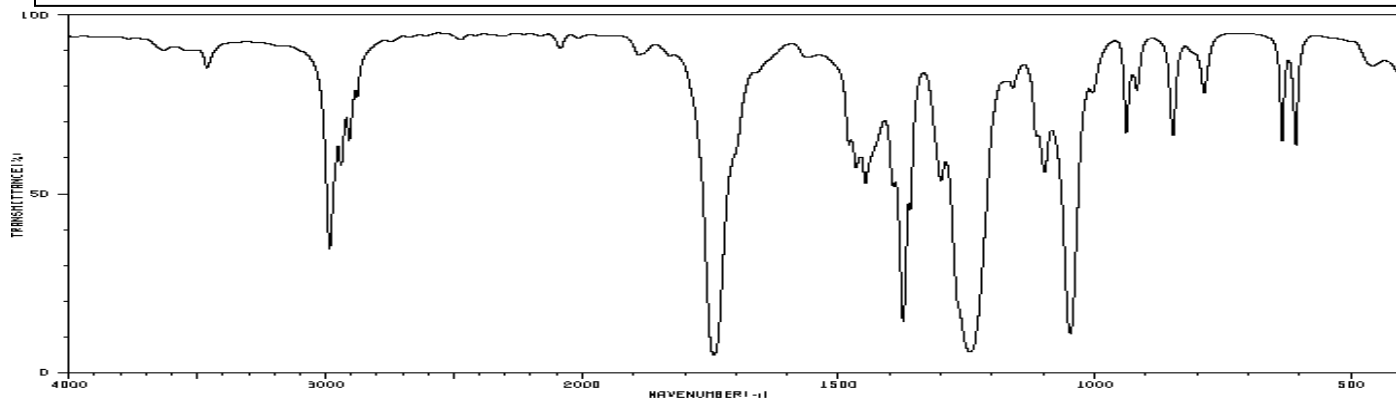


1. The five IR spectra shown below represent an aldehyde, a ketone, an anhydride, an ester and a carboxylic acid. Match each spectrum to one of the five possibilities. Explain your assignments by listing the diagnostic signal (peak) in wavenumbers and the functional group that corresponds to that wavenumber.

Spectrum # 1

diagnostic signals (wavenumber)

functional group



Spectrum # 2

diagnostic signals (wavenumber)

functional group

