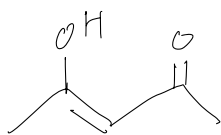
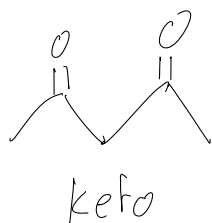
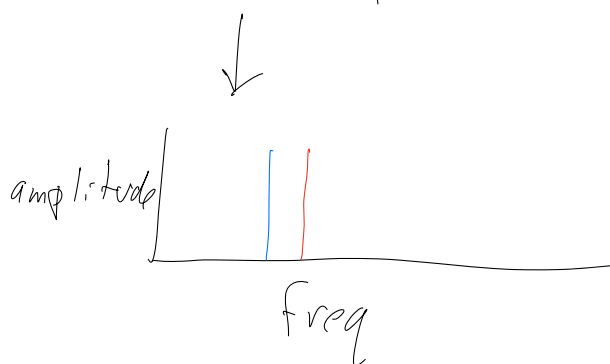
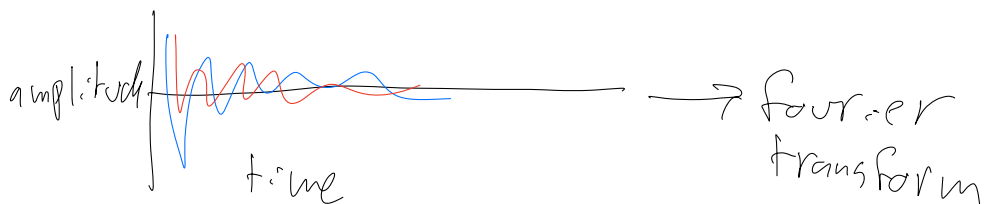
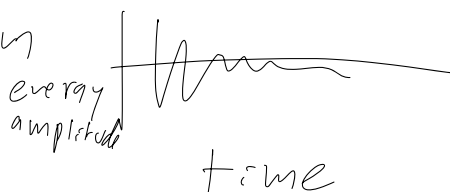
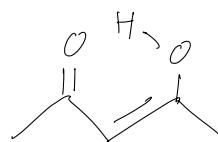
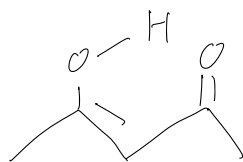
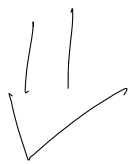
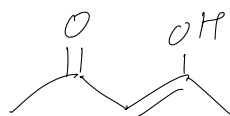


Each H has unique frequency of precession
and each will give its own

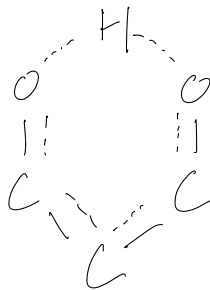
multiple diff H



or



Keto $\rightleftharpoons$ Enol



Keto form and enol have different spectra
so we can quantify how much of each we
have

Req and AG from NMR expts

To get ΔS , ΔH we need more information

$$\Delta G = \Delta H - T \Delta S$$

↓ ↓ ↓ ↓
γ b x m