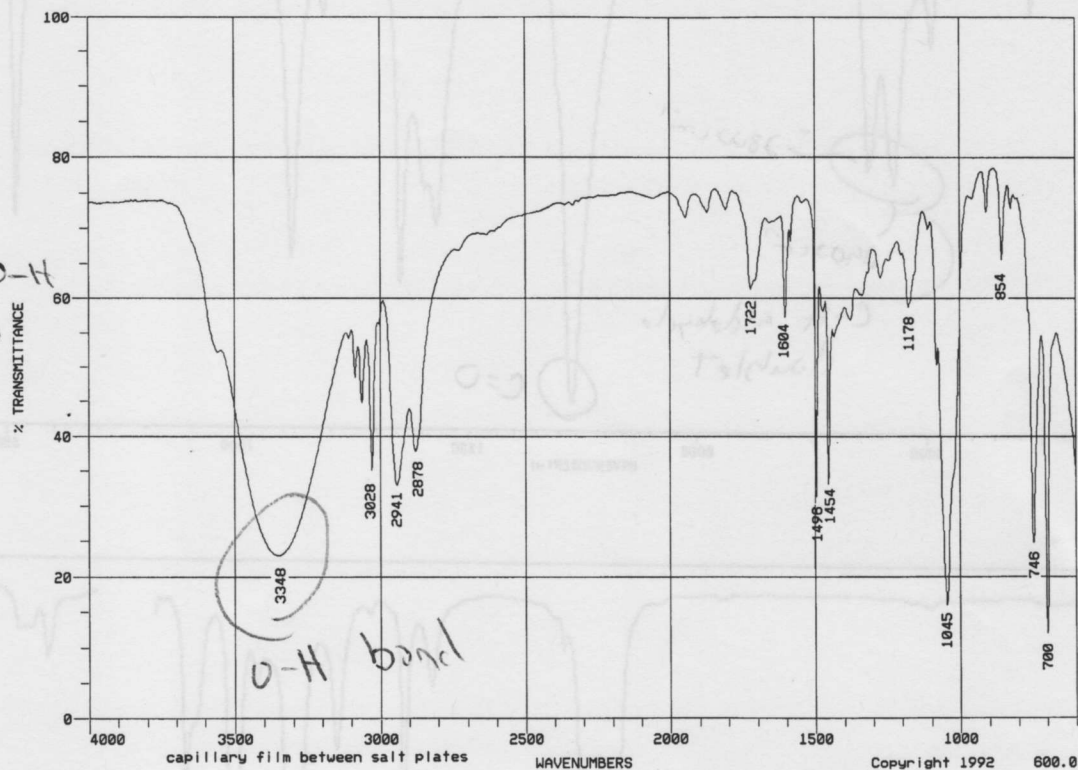
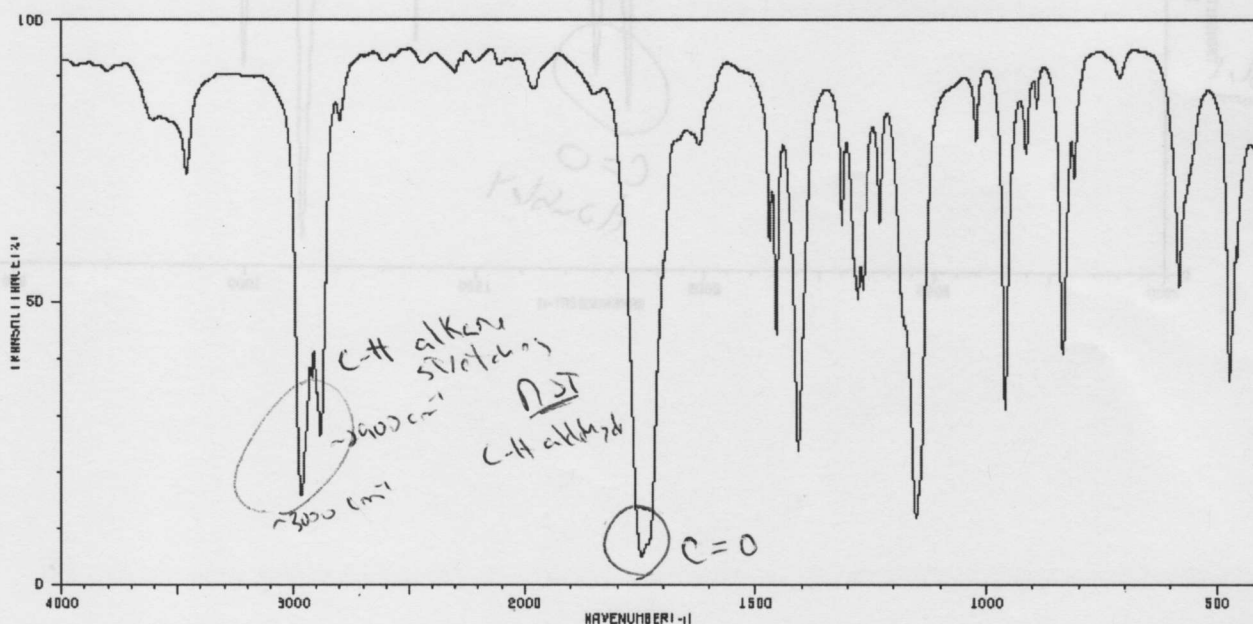


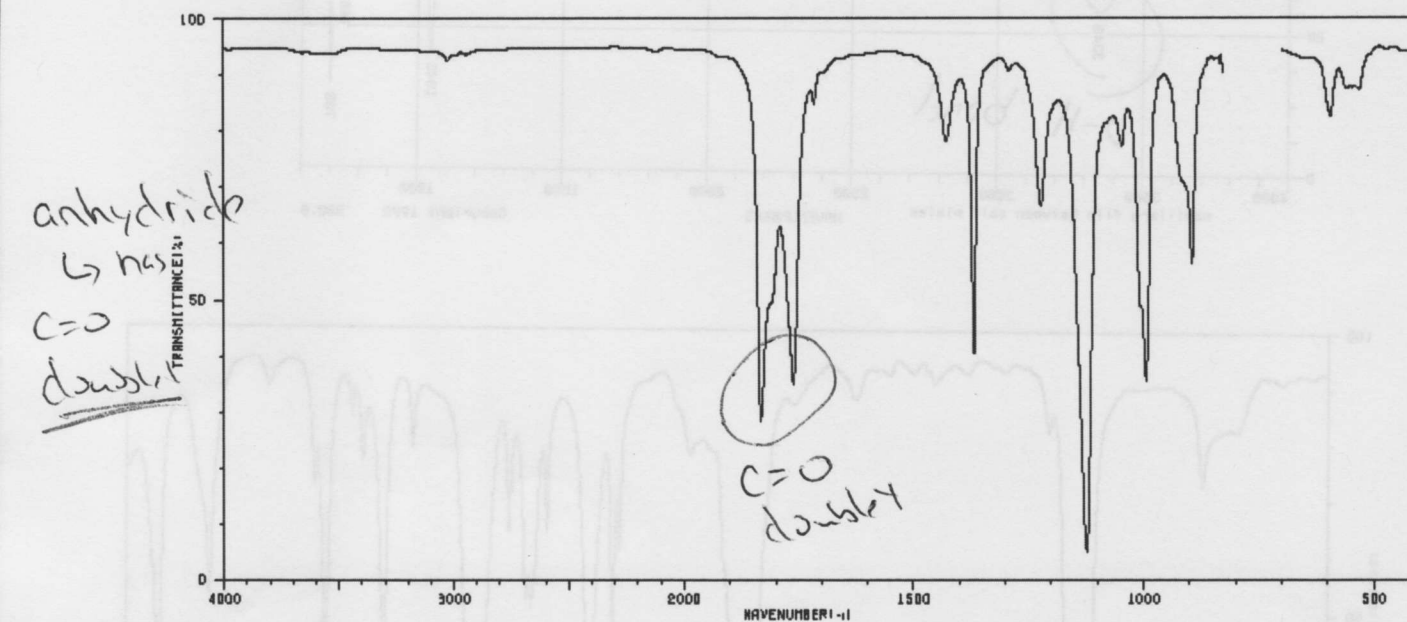
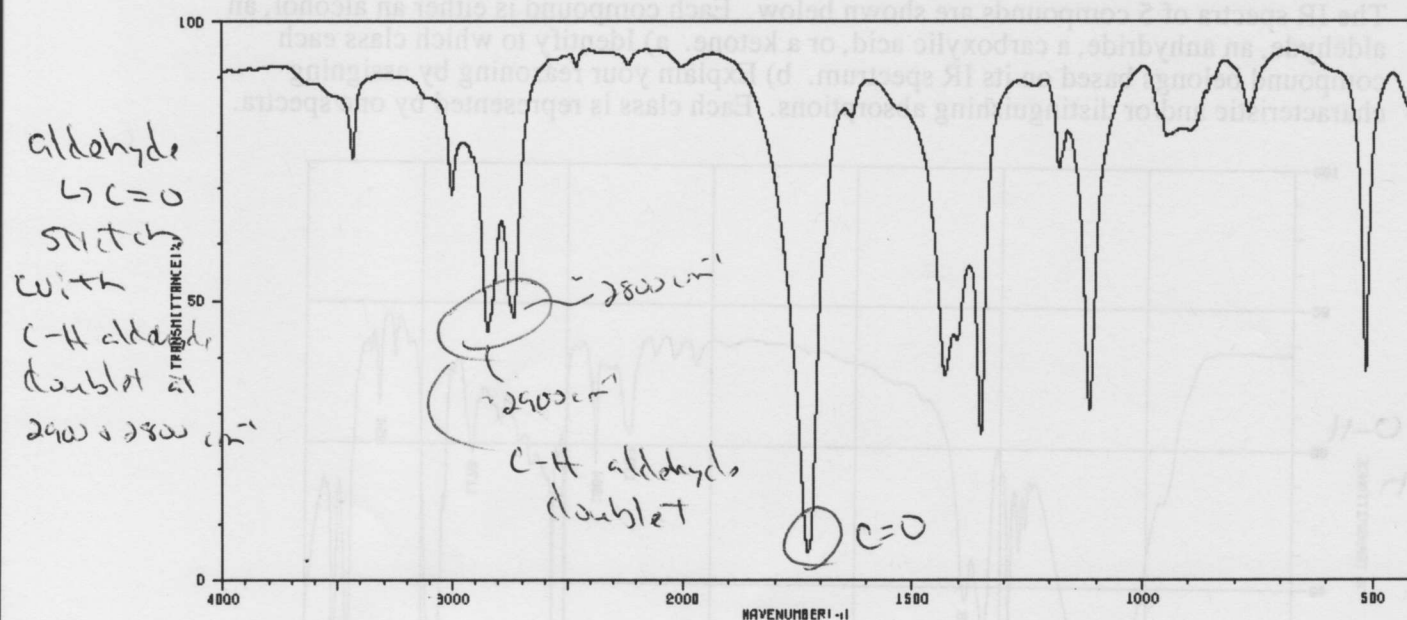
1. The IR spectra of 5 compounds are shown below. Each compound is either an alcohol, an aldehyde, an anhydride, a carboxylic acid, or a ketone. a) Identify to which class each compound belongs based on its IR spectrum. b) Explain your reasoning by assigning characteristic and/or distinguishing absorptions. Each class is represented by one spectra.

alcohol
↳ has O-H
stretch with
no C=O
stretch



Ketone





Carboxylic
acid
↳ has
~~has~~
O-H & C=O
stretch

