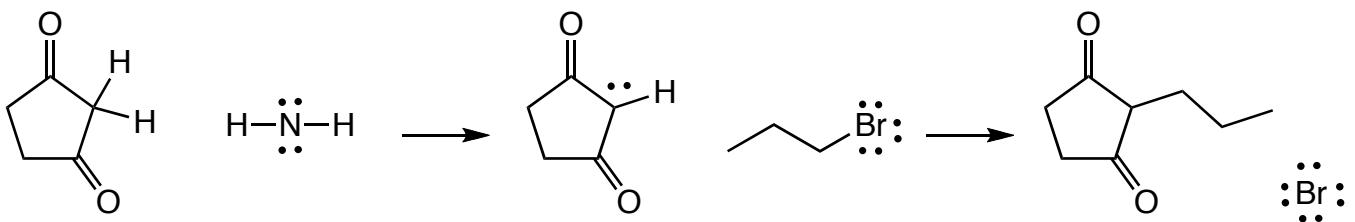
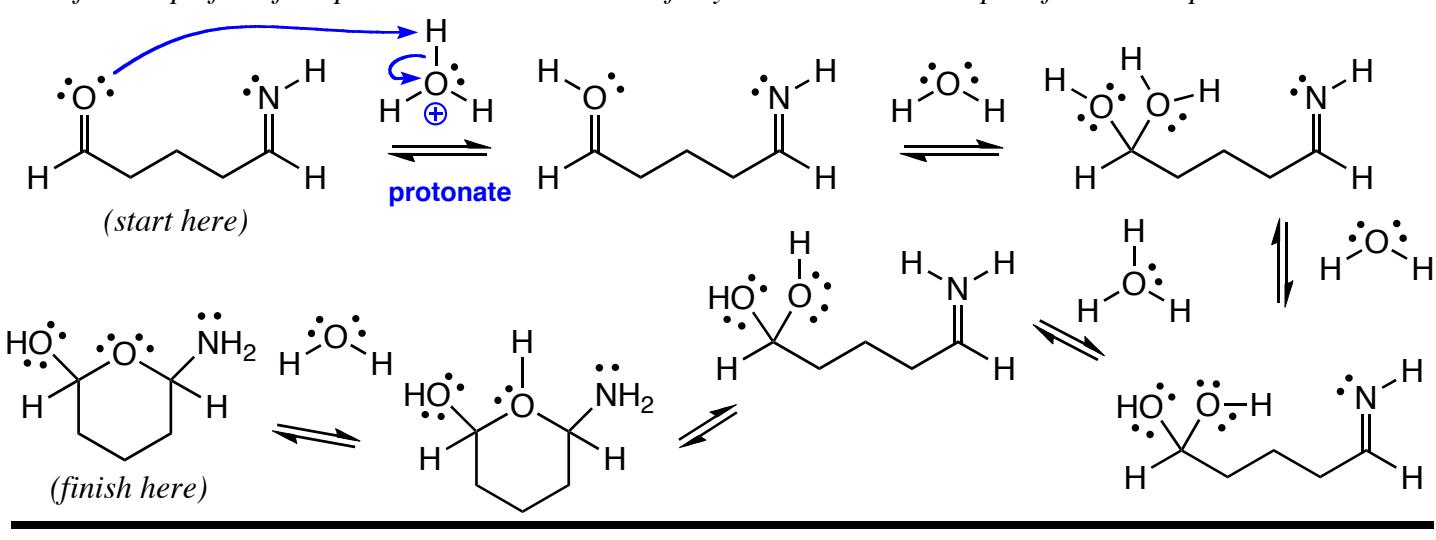
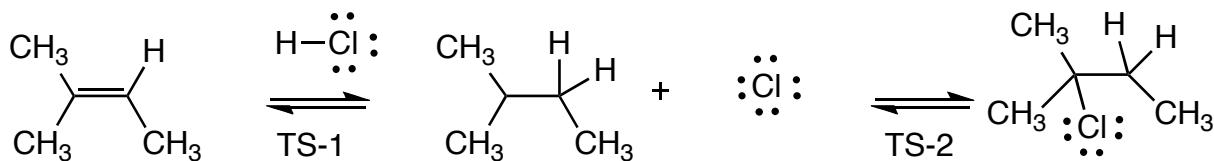
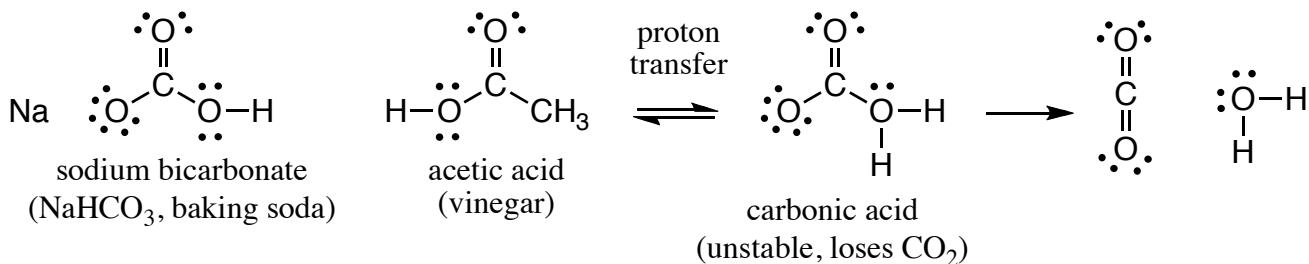


Add in any missing **formal charges**. Draw curved arrows for each step of the following mechanisms.Identify any **proton-transfer** (acid-base) steps and label the step as "protonate" or "deprotonate" to describe what is happening to the organic compound involved - if it accepts a H⁺ it's a protonation step ("protonate").*The first step of the first problem has been started for you to show an example of what is expected.*

homemade "volcano" or chemistry experiment in a bag (www.youtube.com/ChemistryConnected)

Draw the **structures of the transition states TS-1 and TS-2** for the above two-step mechanism.