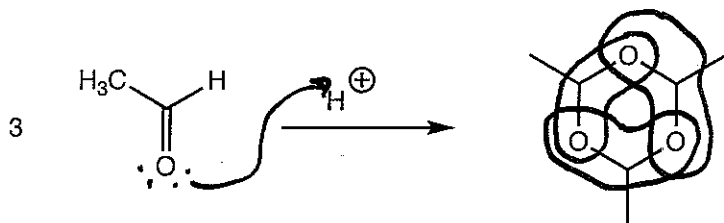
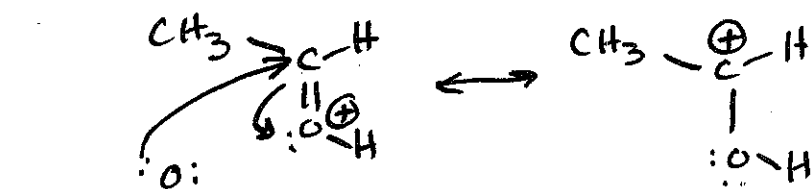


Quiz #5

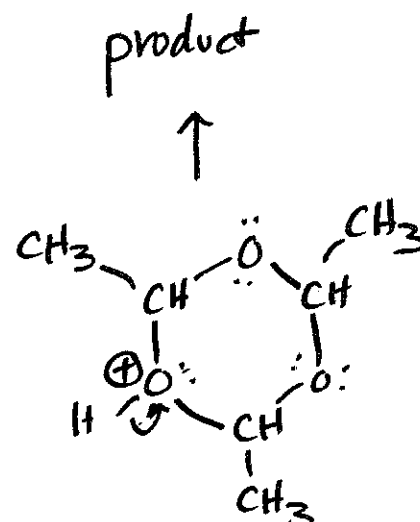
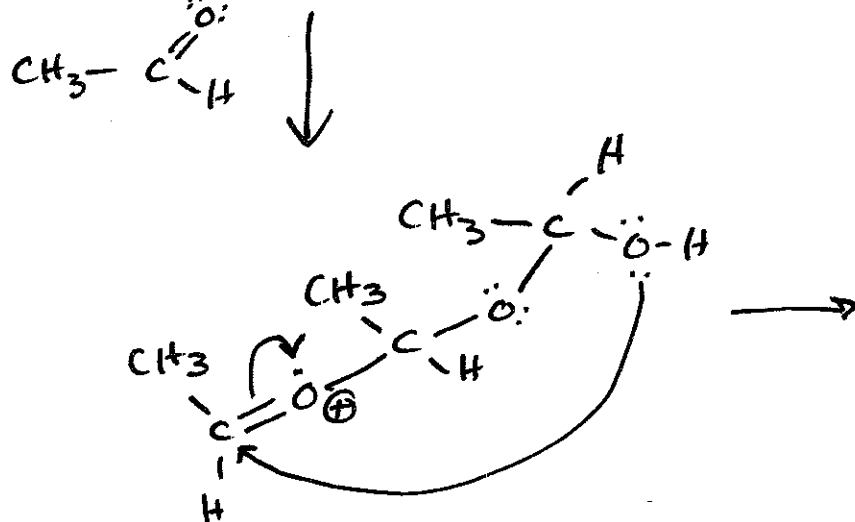
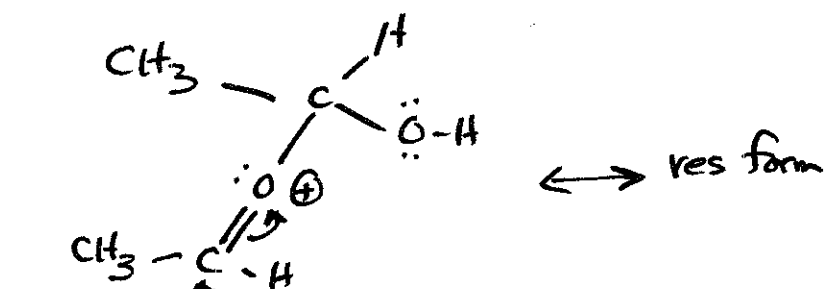
Draw a mechanism for the reaction shown below. Note that the reaction does not occur if there is no acid catalyst present.



← product has 3 interlocking acetals

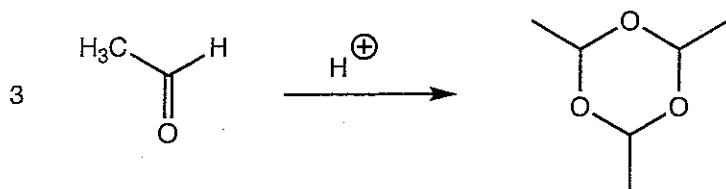


basically, a repeat of the same basic mechanism 3x (addition to $\text{C}=\text{O}$)

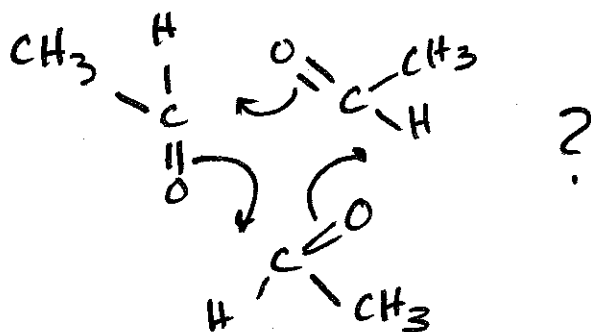


Quiz #5

Draw a mechanism for the reaction shown below. Note that the reaction does not occur if there is no acid catalyst present.



why not this...



- 1) no use is made of acid catalyst
- 2) The odds of 3 molecules coming together simultaneously w/ proper orientation is ~0 (there are no 3rd order rxns in a single reactant)