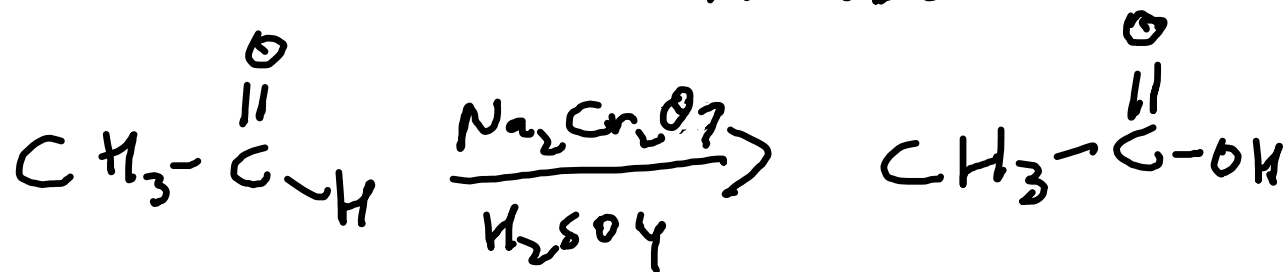
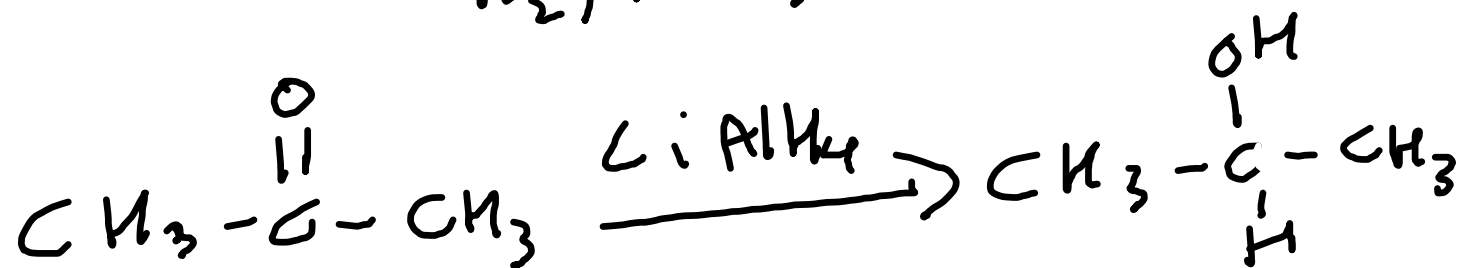
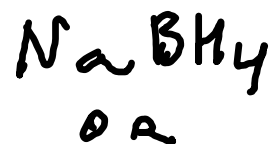
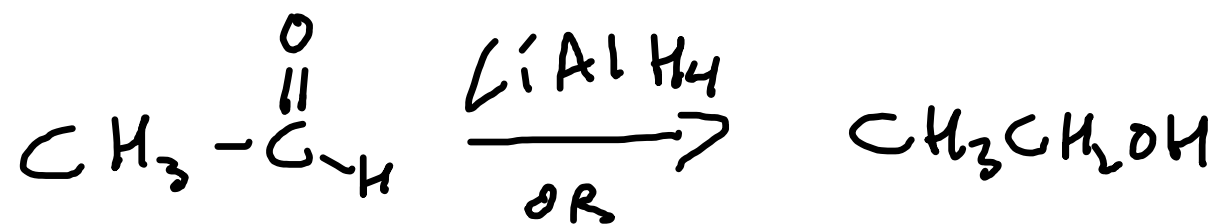


REACTIONS OF ALDEHYDES AND KETONES

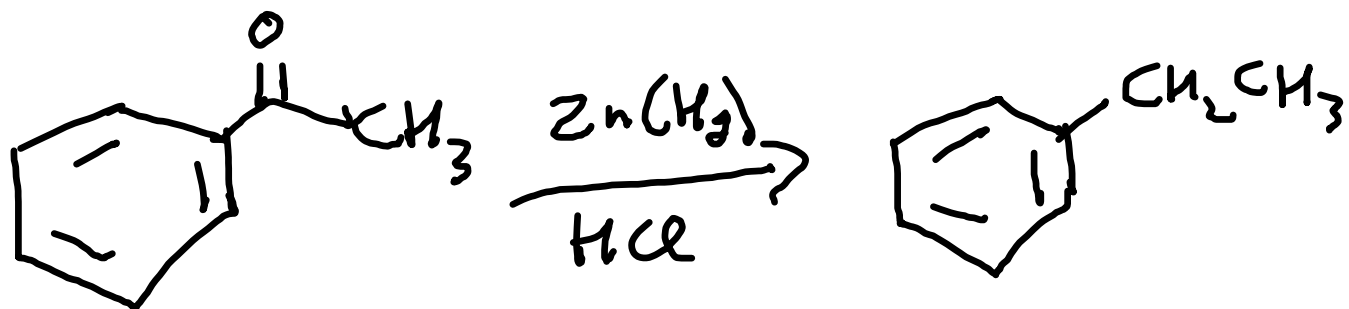
i) OXIDATION OF ALDEHYDES TO
ACIDS



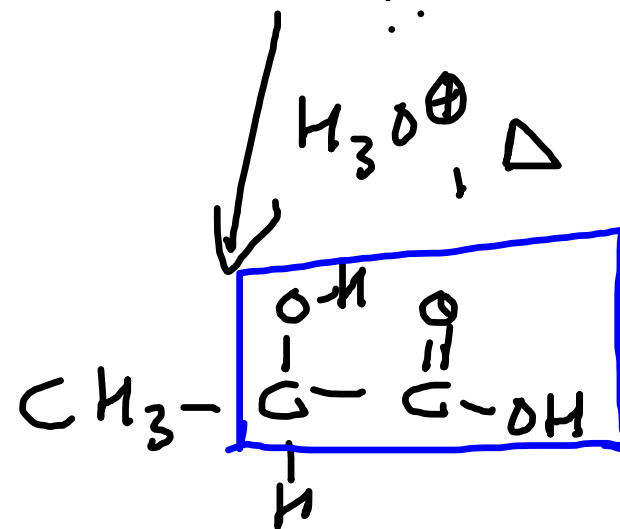
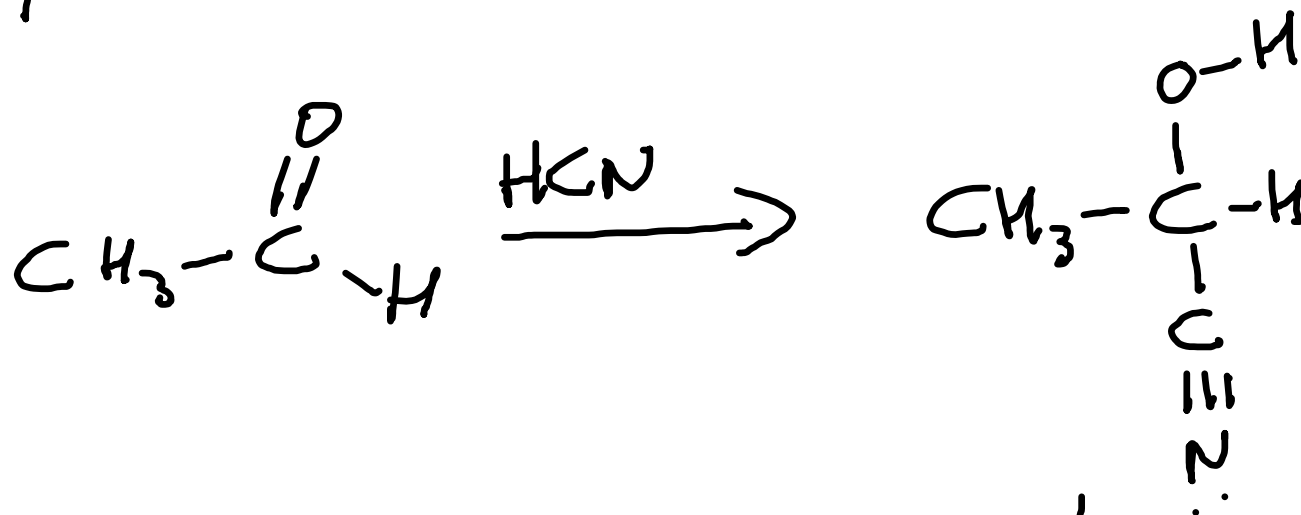
2) RÉDUCTION TO ALCOHOLS



3) REDUCTION TO HYDROCARBONS

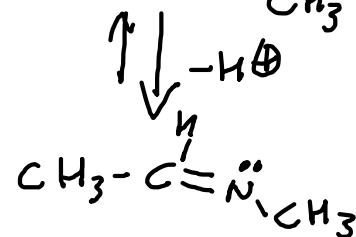
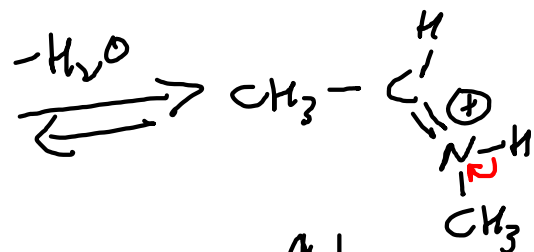
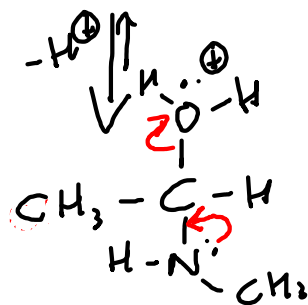
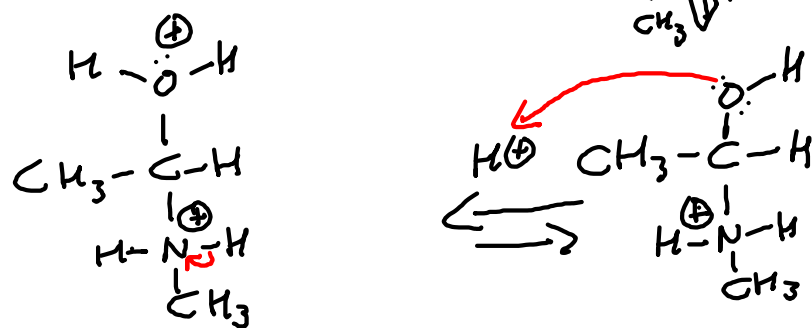
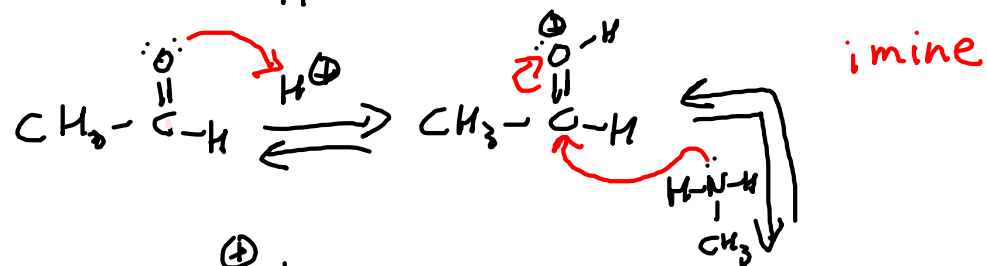
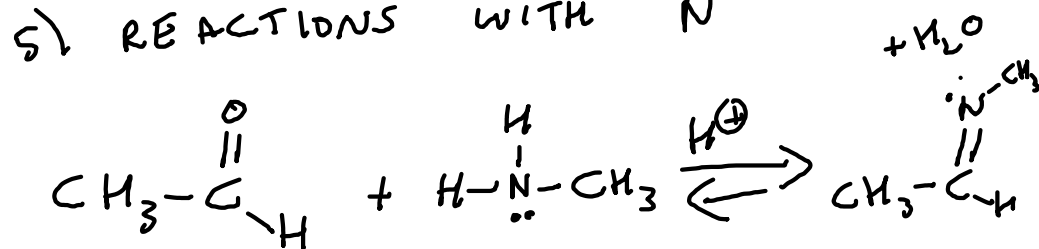


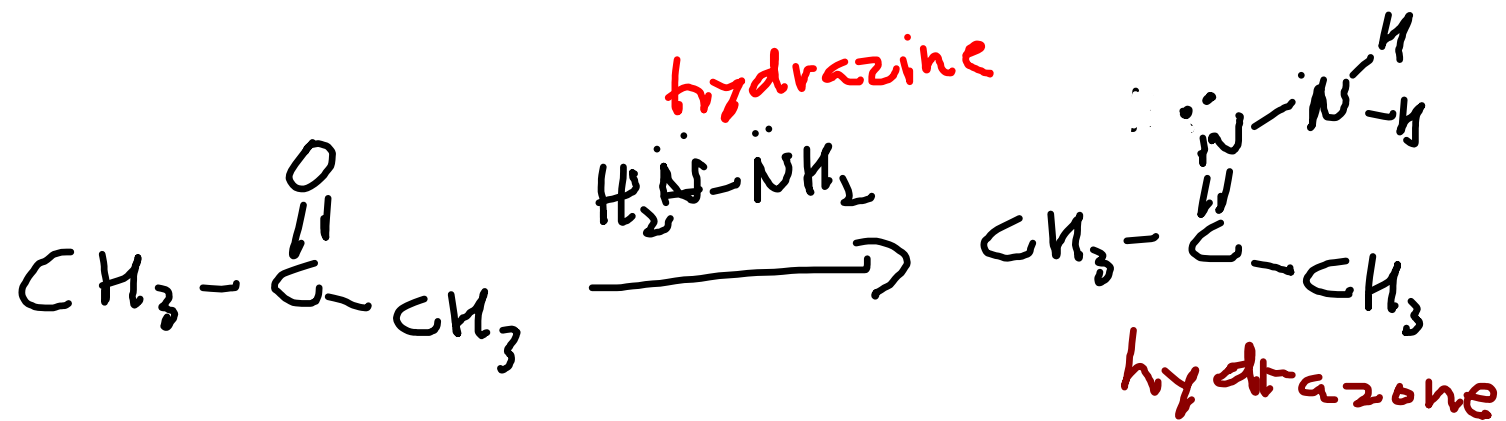
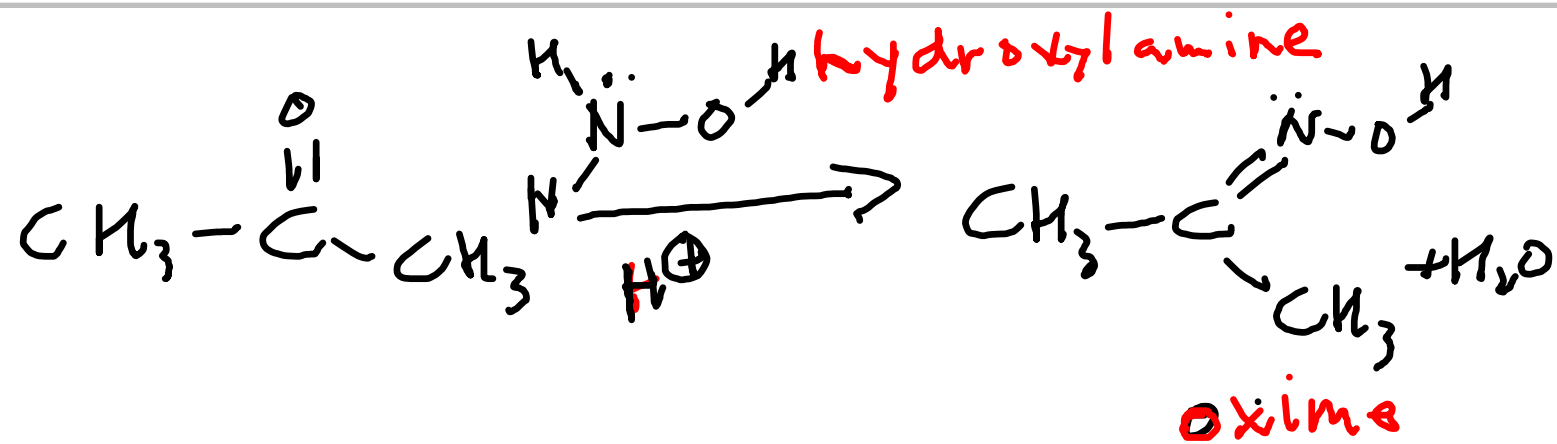
4) CYANOHYDRIN FORMATION



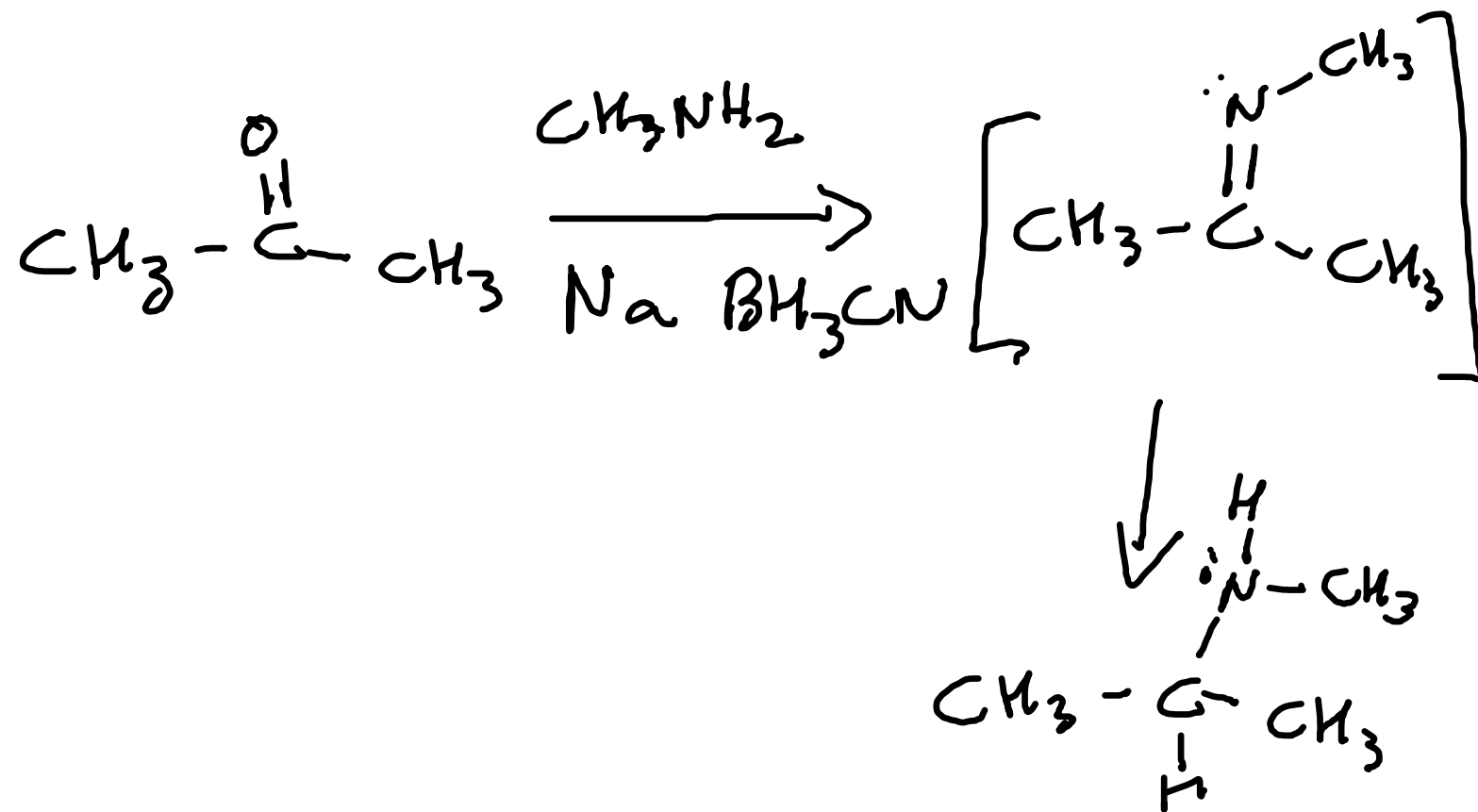
α -hydroxy acid

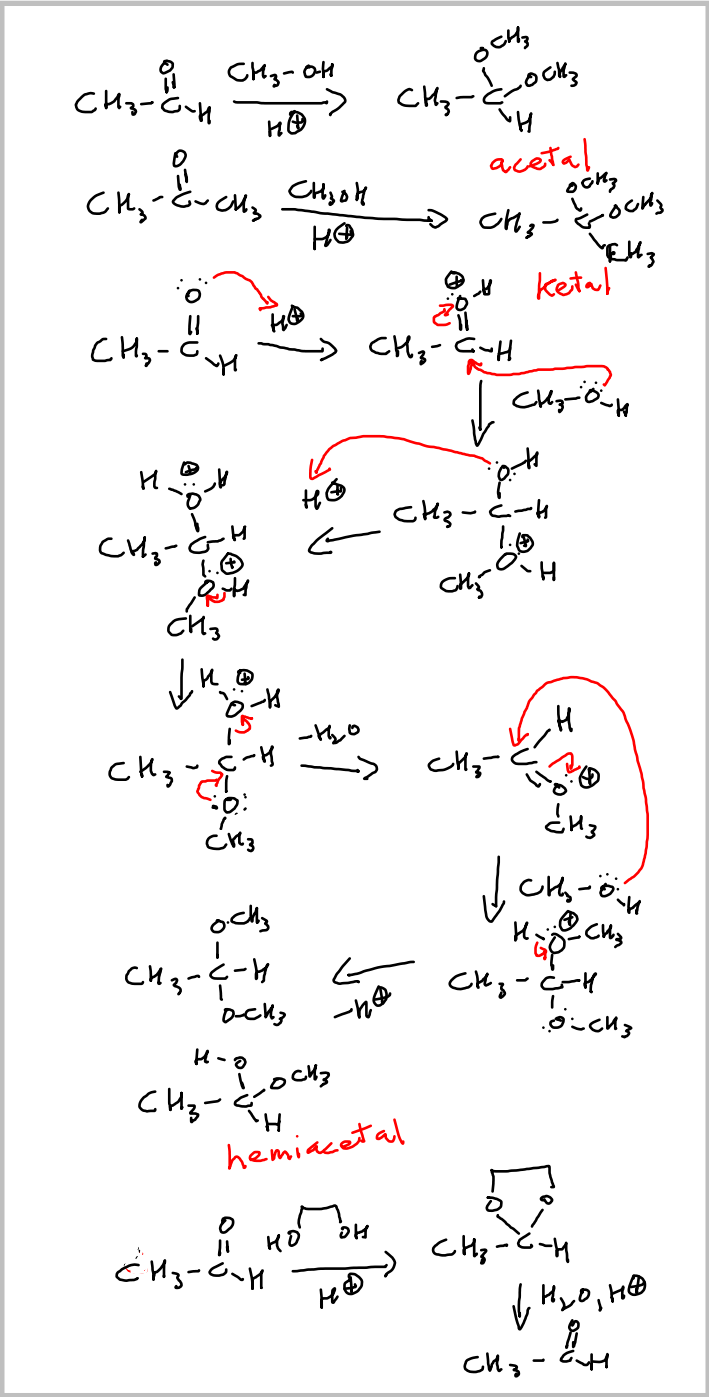
5) REACTIONS WITH N



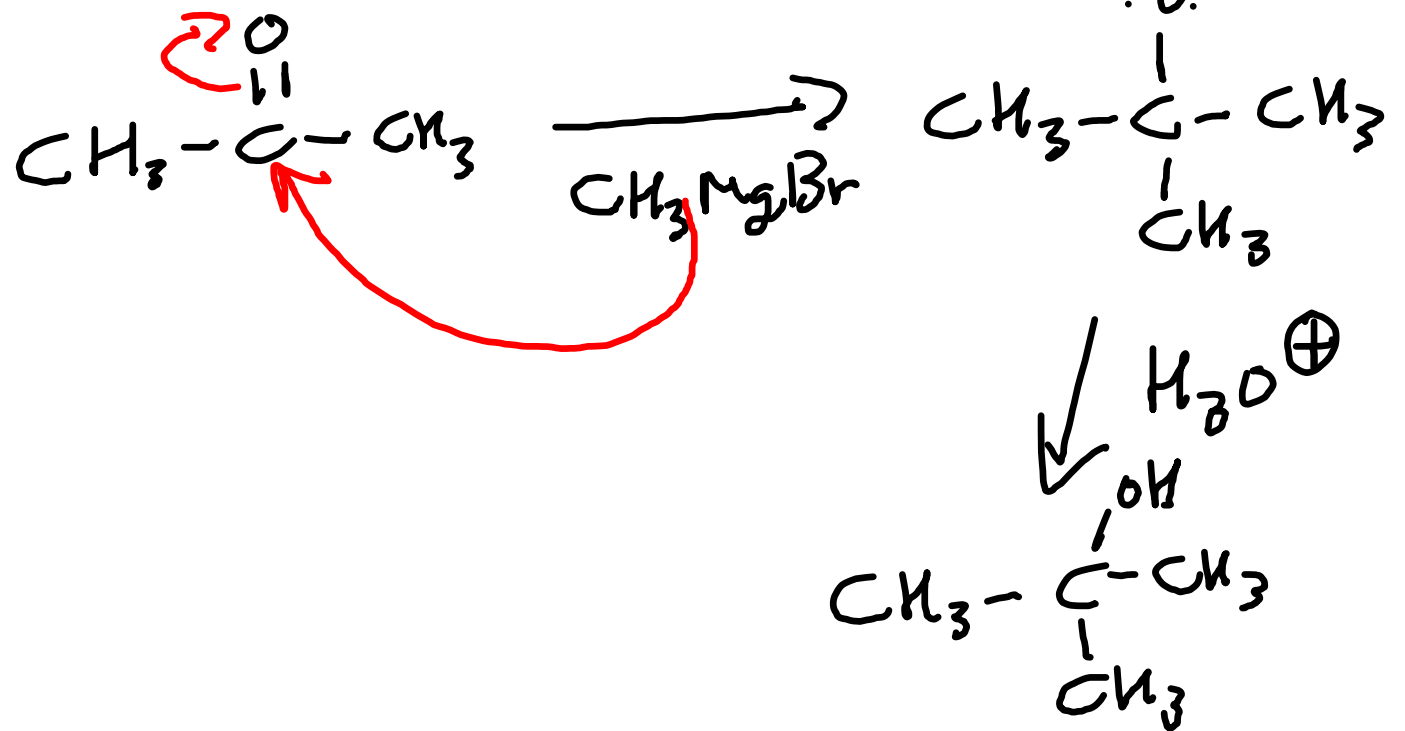


REDUCTIVE AMINATION

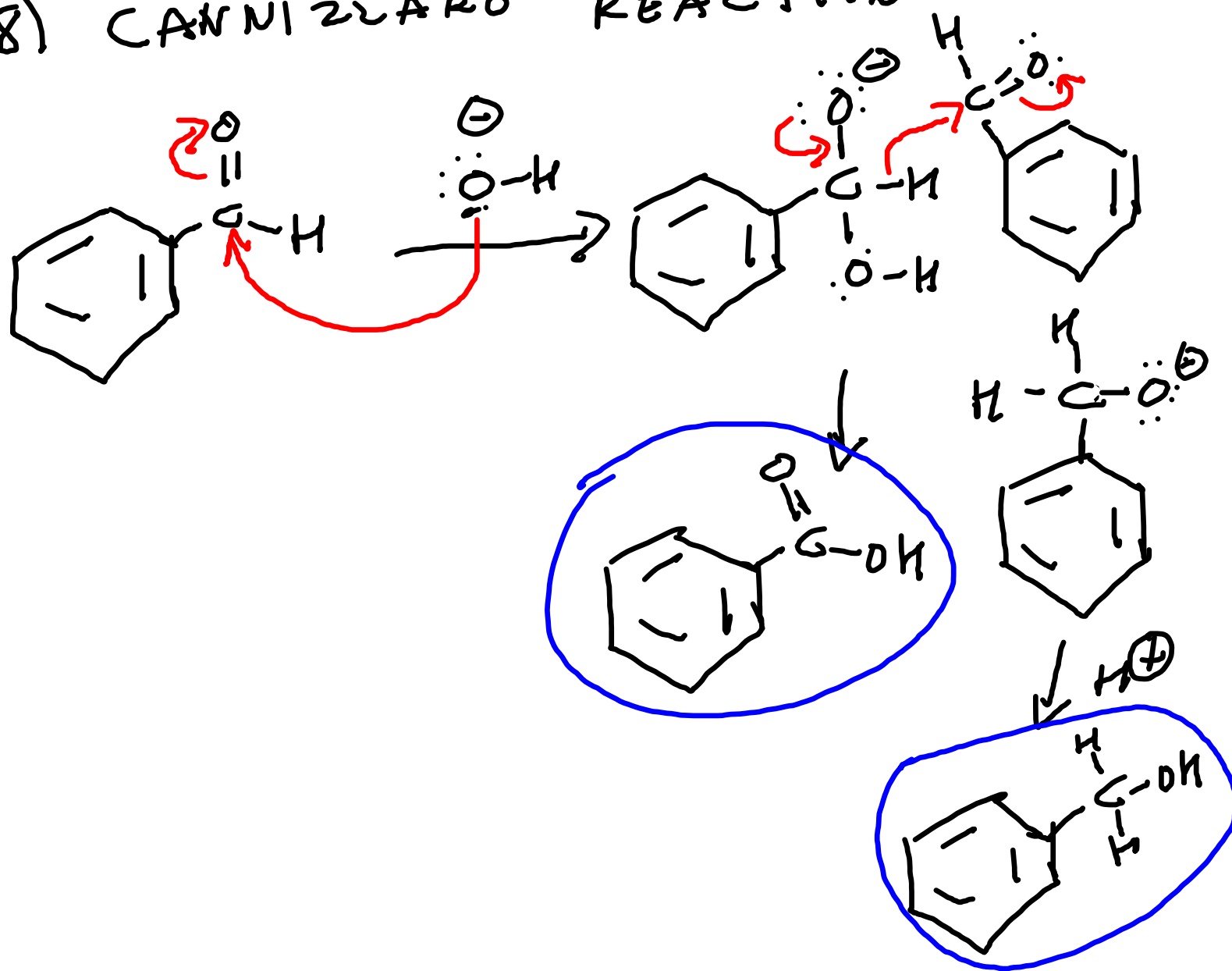




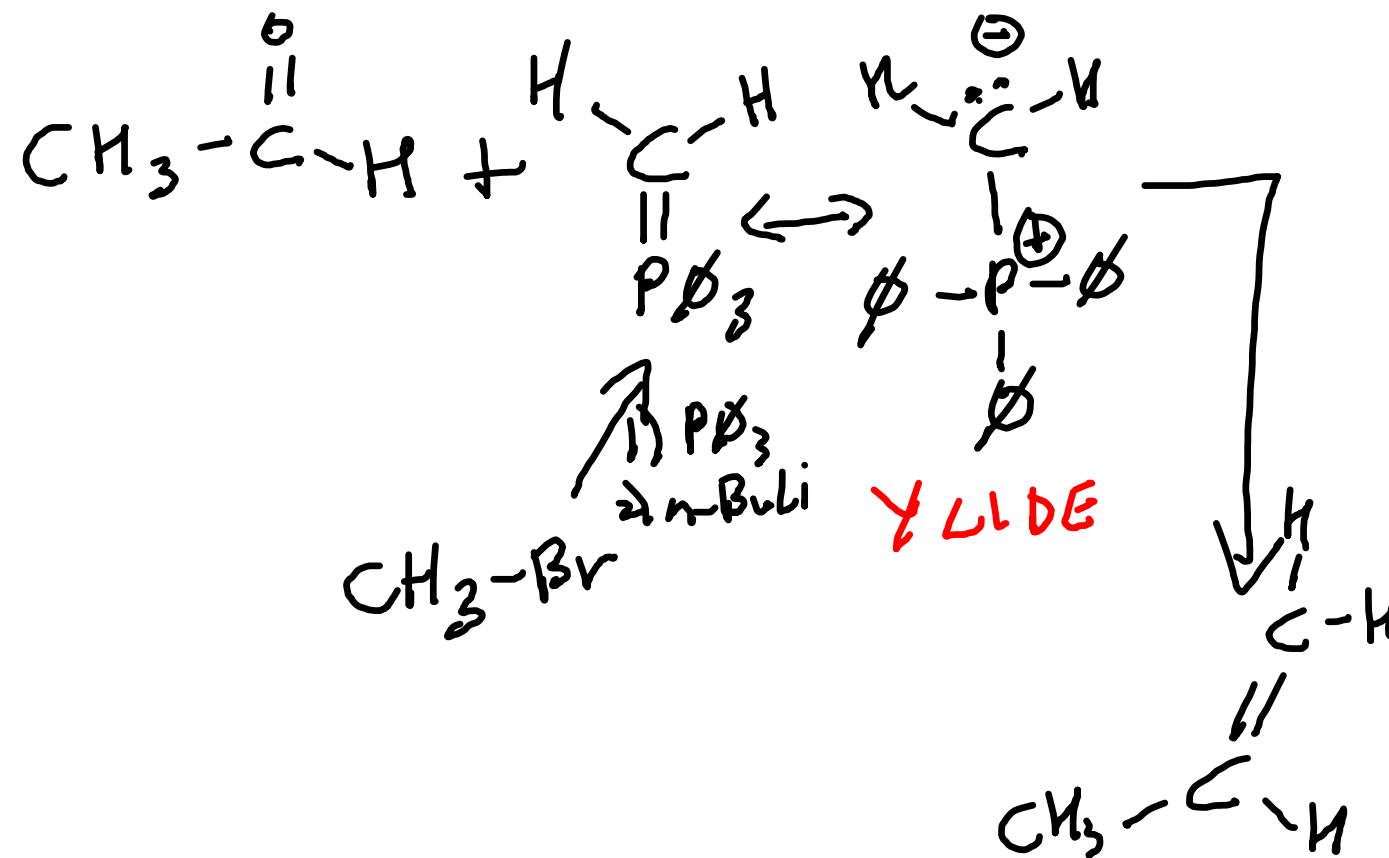
→) ADDITION OF GRIGNARD REAGENTS



8) CANNIZZARO REACTION



9) WITTIG REACTION

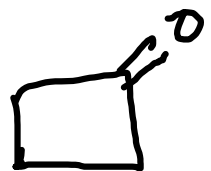


IR

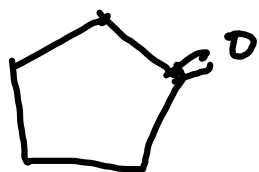
RCHO 1725 cm^{-1}

ArCHO 1700 cm^{-1}

Ar $\overset{\text{O}}{\parallel}$ C-R 1690 cm^{-1}



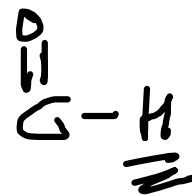
1780 cm^{-1}



1740 cm^{-1}

NMR

δ 9-10 ppm



CMR

δ 190-200 ppm

