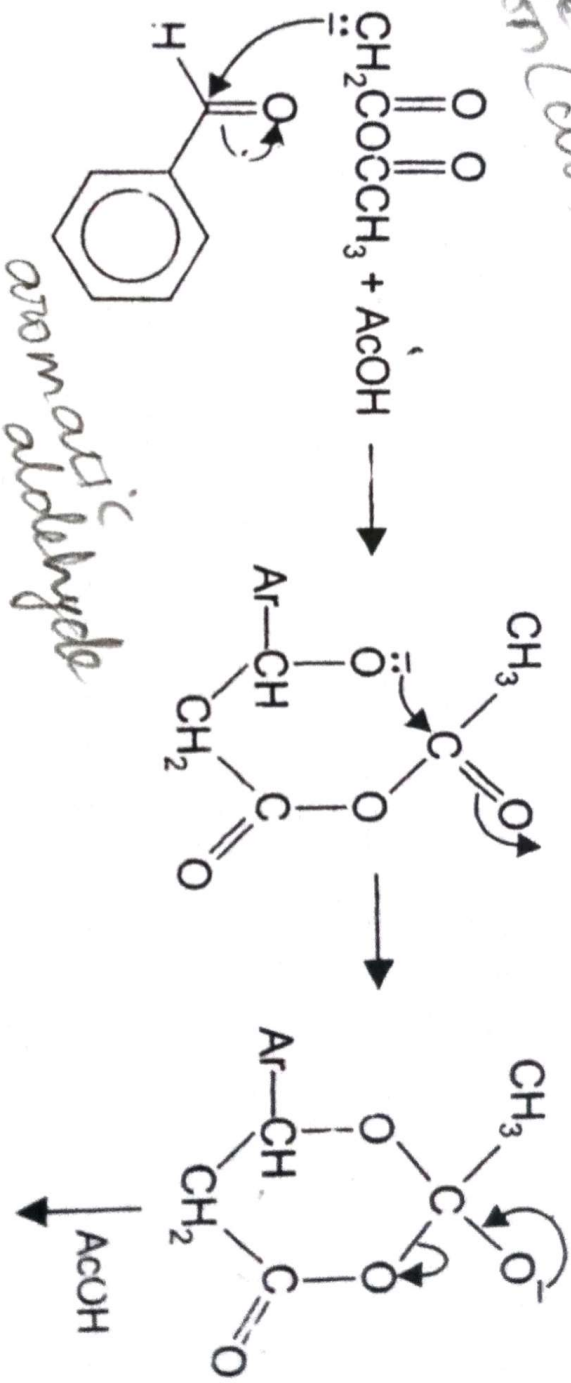
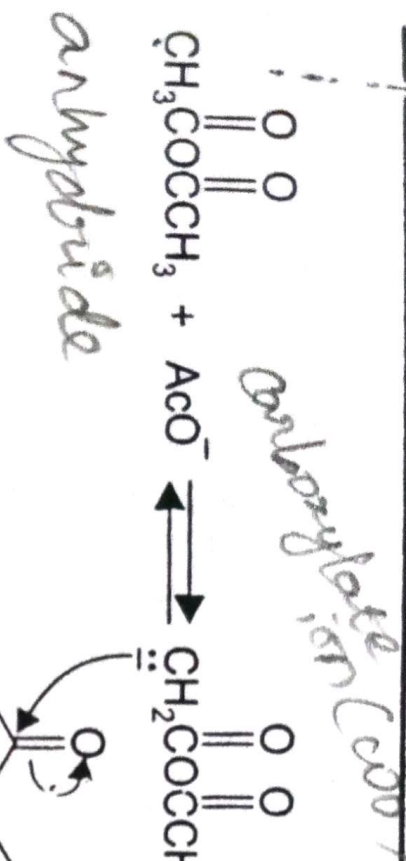


The addition of Grignard reagent

SCHEME 6.23

(H) The Perkin Reaction

The reaction is used for the synthesis of α , β -unsaturated acids, and is an aldol type condensation between an aromatic aldehyde (ArCHO) and a carboxylic acid anhydride (RCO)₂O catalysed by a carboxylate ion (the potassium salt of the carboxylic acid, RCOOK). The anhydride gives the enolate by reacting with basic carboxylate ion (Scheme 6.24).



The Perkin reaction

SCHEME 6.24