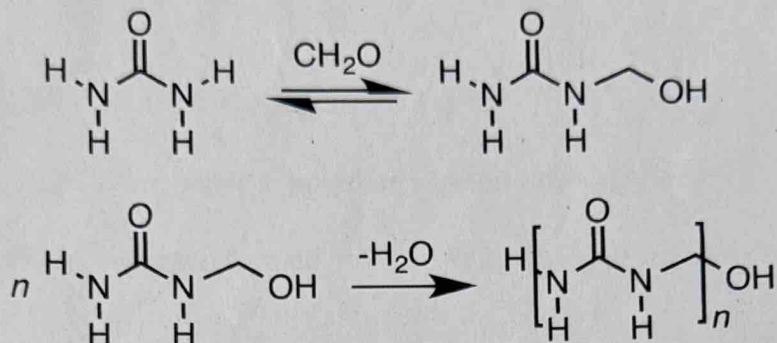
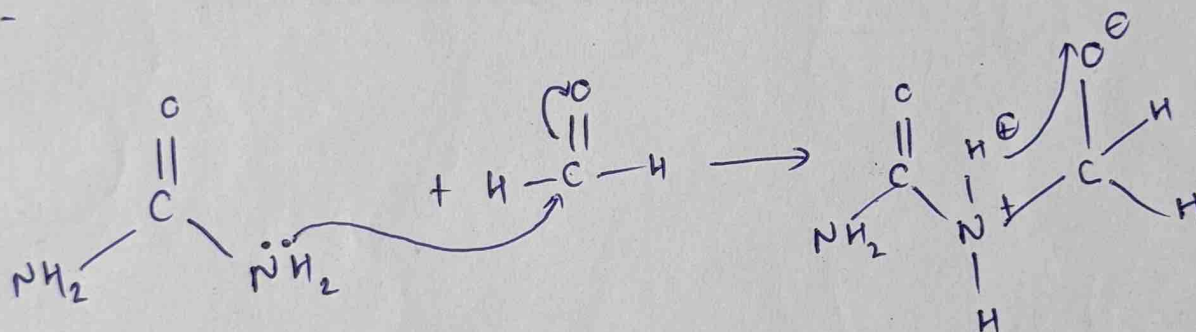


Reaction:

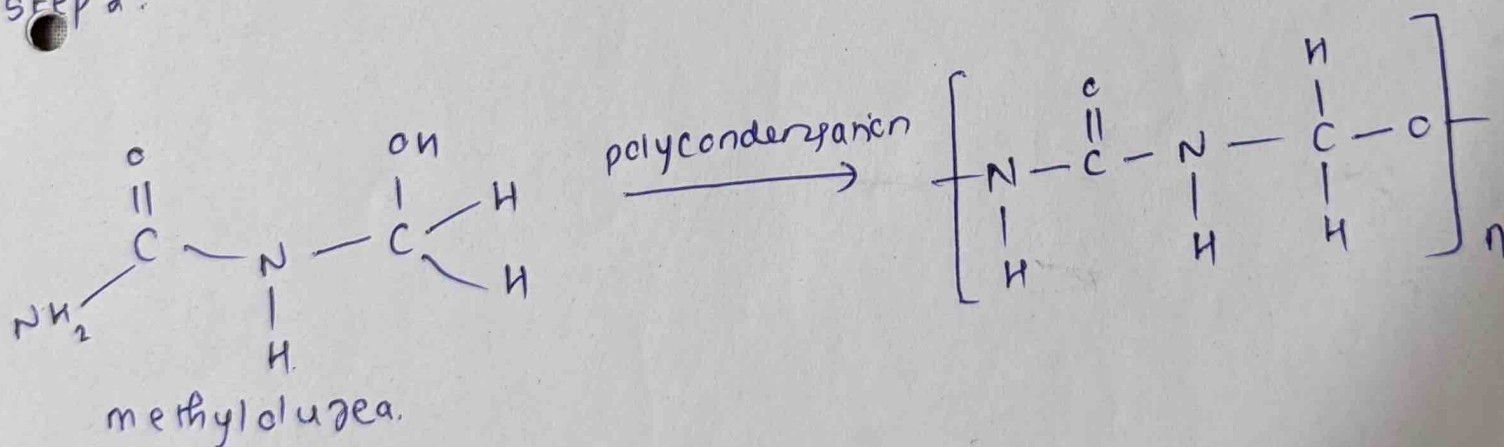


Mechanism:

step 1:-



step 2:-



OBSERVATIONS

Weight of empty filter paper = W_1 g = 0.8975 g

Weight of filter paper + polymer formed (after drying) = W_2 g = ~~1.4165 g~~
2.068 g

Weight of polymer formed = $W_g = W_2 - W_1$ g = ~~0.568 g~~
1.173 g

Result

Weight of urea formaldehyde resin = W g =

0.568 g
1.173 g