

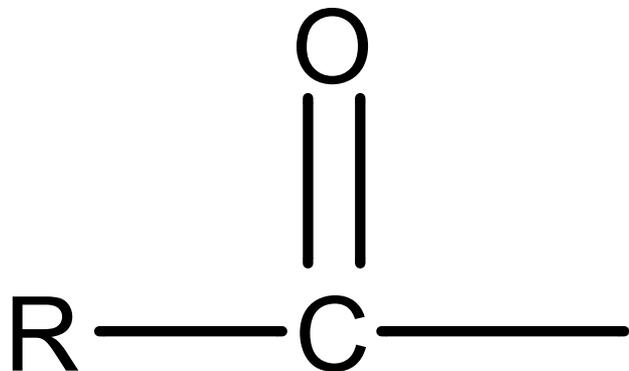


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# ACYLATION

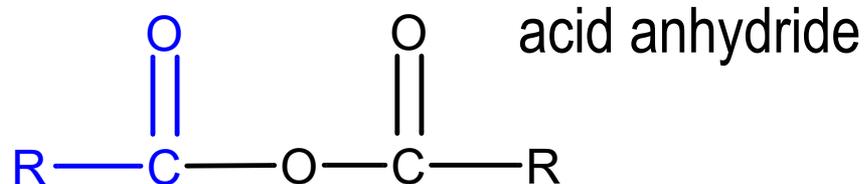
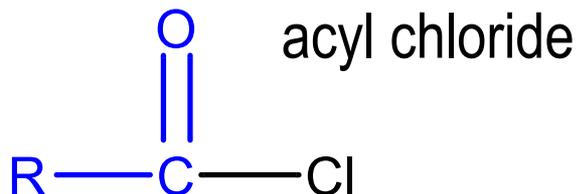
# ACYLATION

Acylation = replacing an H with an acyl group



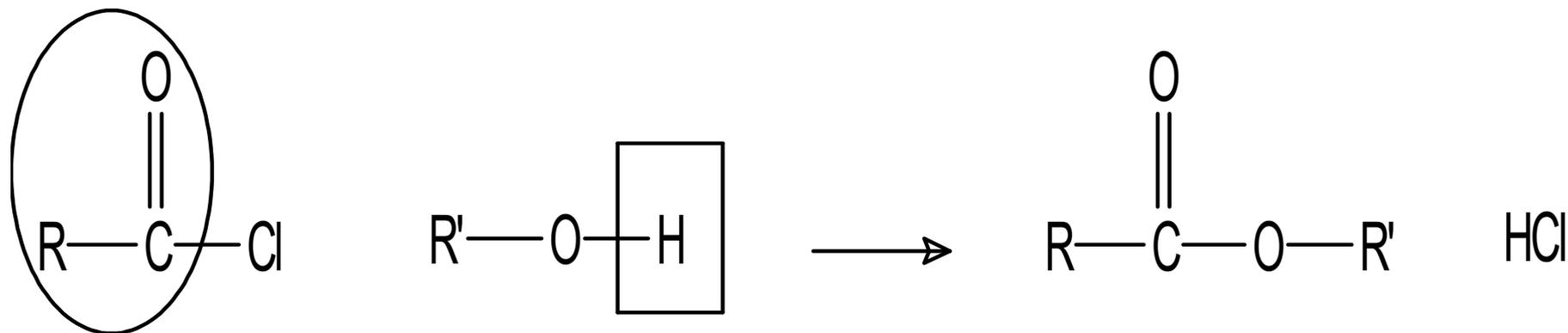
Acyl group

Acyl group from



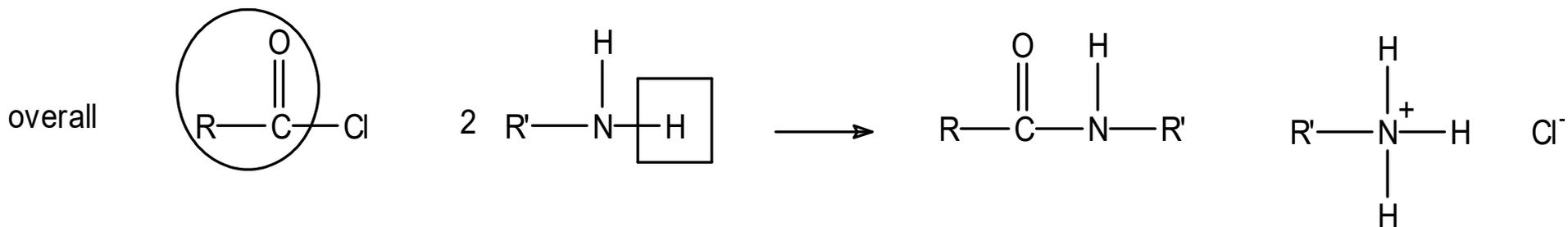
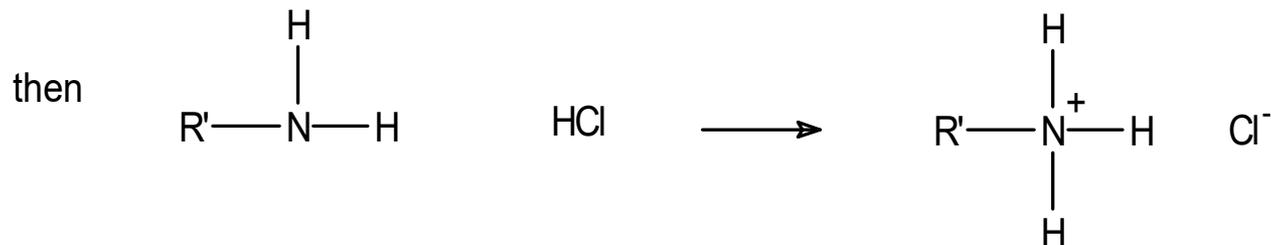
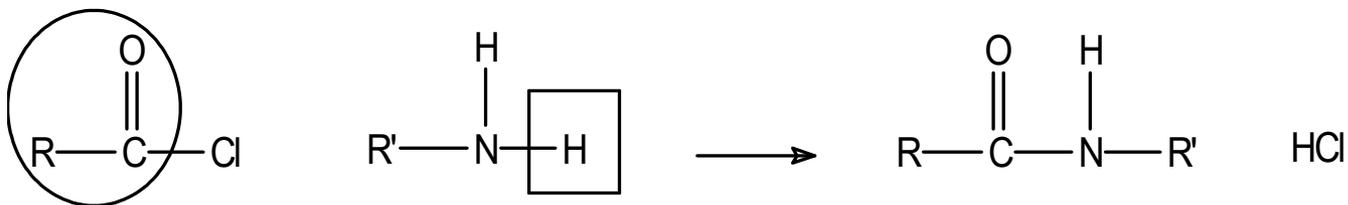
# ACYLATION

Acylation = replacing an H with an acyl group



# ACYLATION

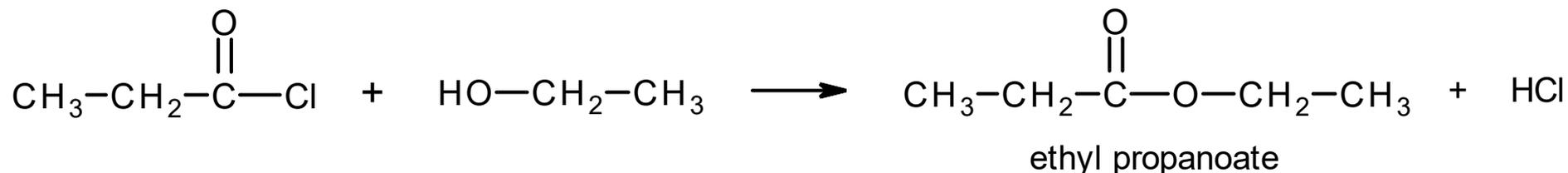
Acylation = replacing an H with an acyl group



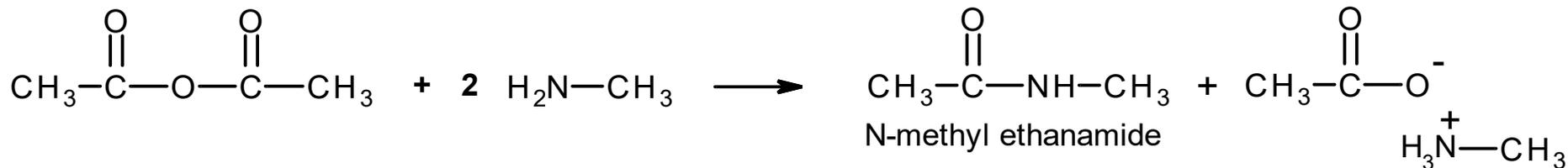
# ACYLATION

Acylation = replacing an H with an acyl group

e.g. ethanol + propanoyl chloride



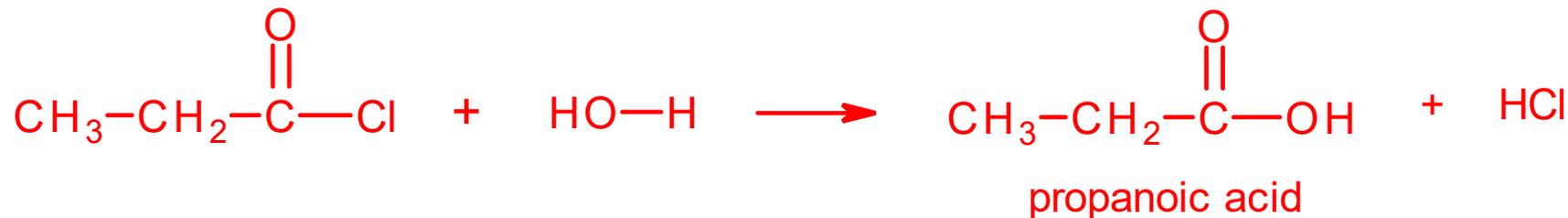
e.g. methylamine + ethanoic anhydride



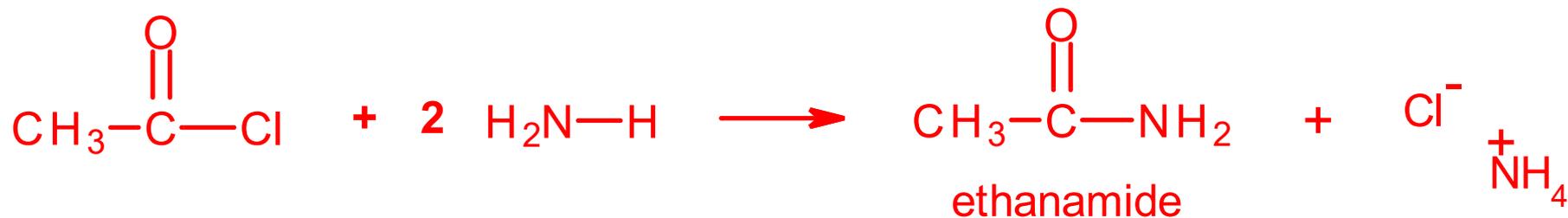
# ACYLATION

Acylation = replacing an H with an acyl group

e.g. water + propanoyl chloride



e.g. ammonia + ethanoyl chloride



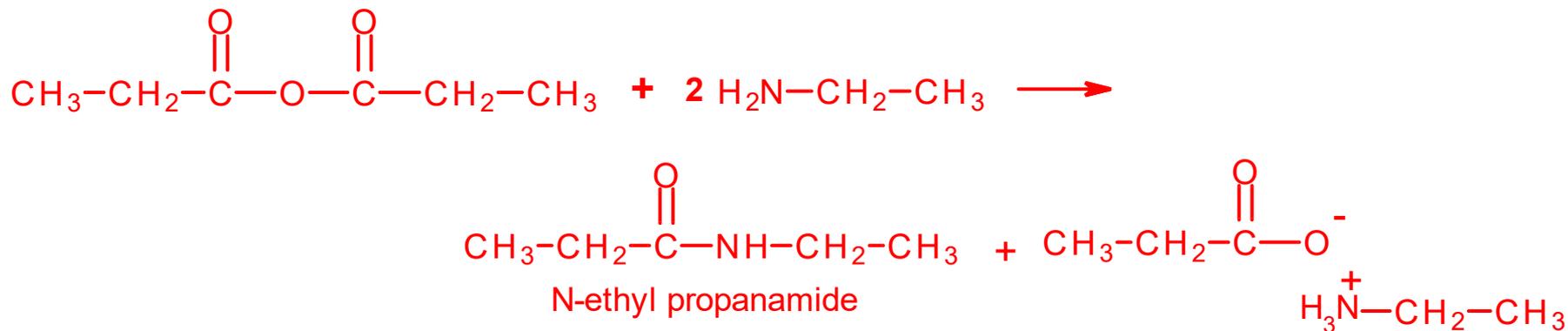
# ACYLATION

Acylation = replacing an H with an acyl group

e.g. propan-2-ol + ethanoyl chloride



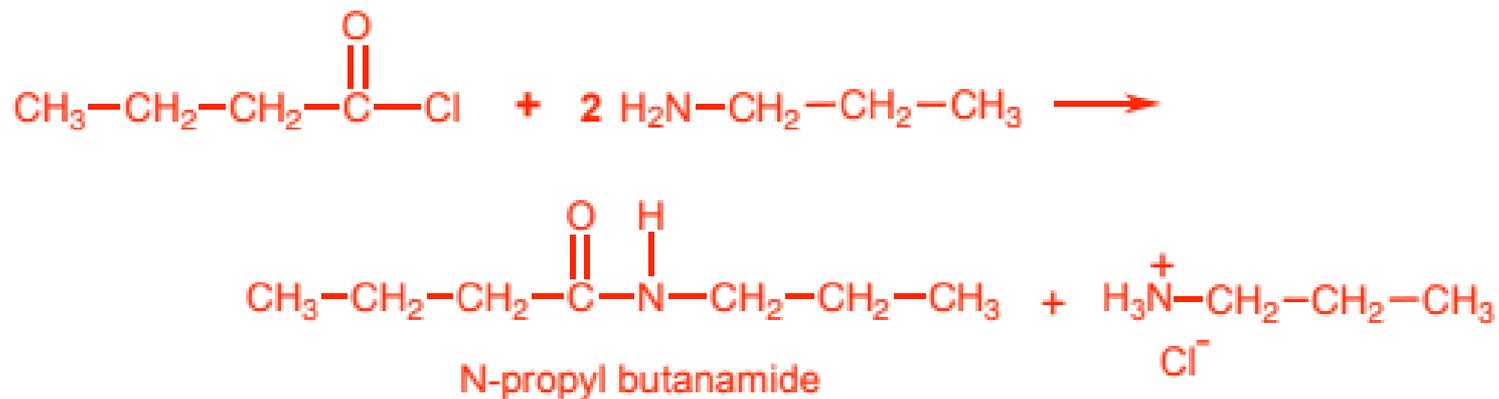
e.g. ethylamine + propanoic anhydride



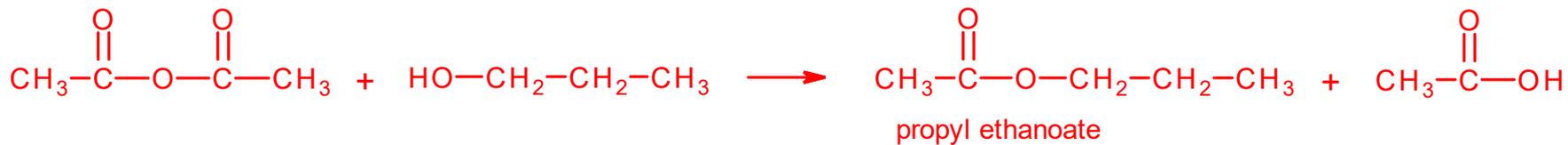
# ACYLATION

Acylation = replacing an H with an acyl group

e.g. propylamine + butanoyl chloride



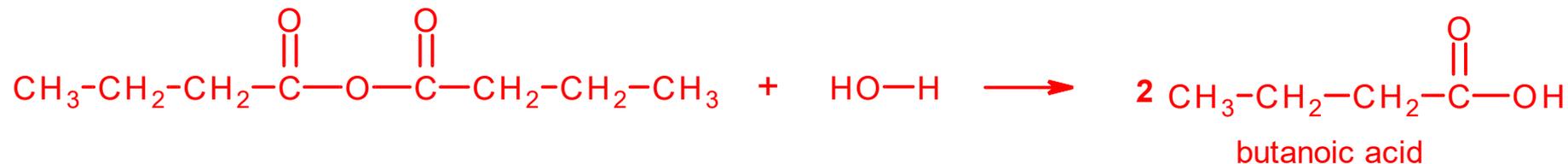
e.g. propan-1-ol + ethanoic anhydride



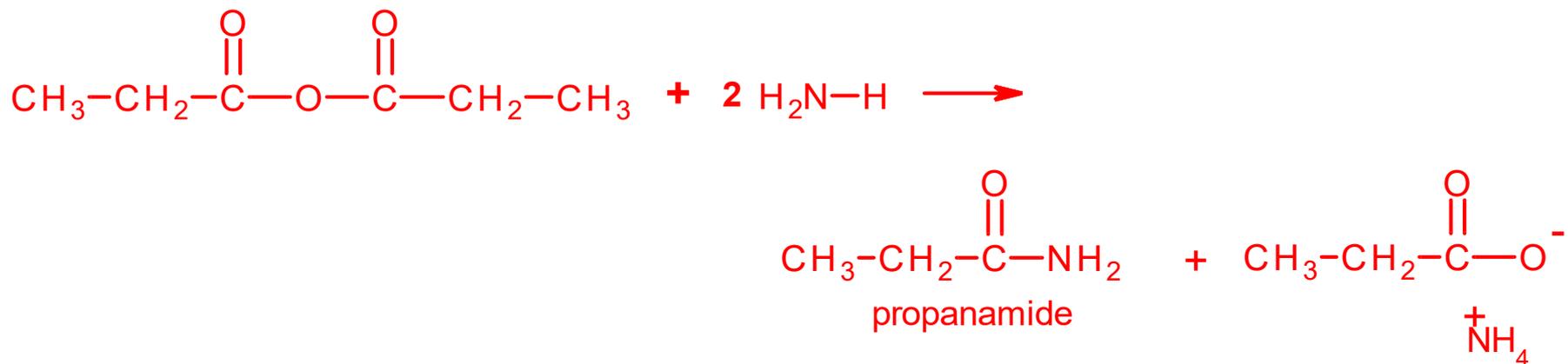
# ACYLATION

Acylation = replacing an H with an acyl group

e.g. water + butanoic anhydride



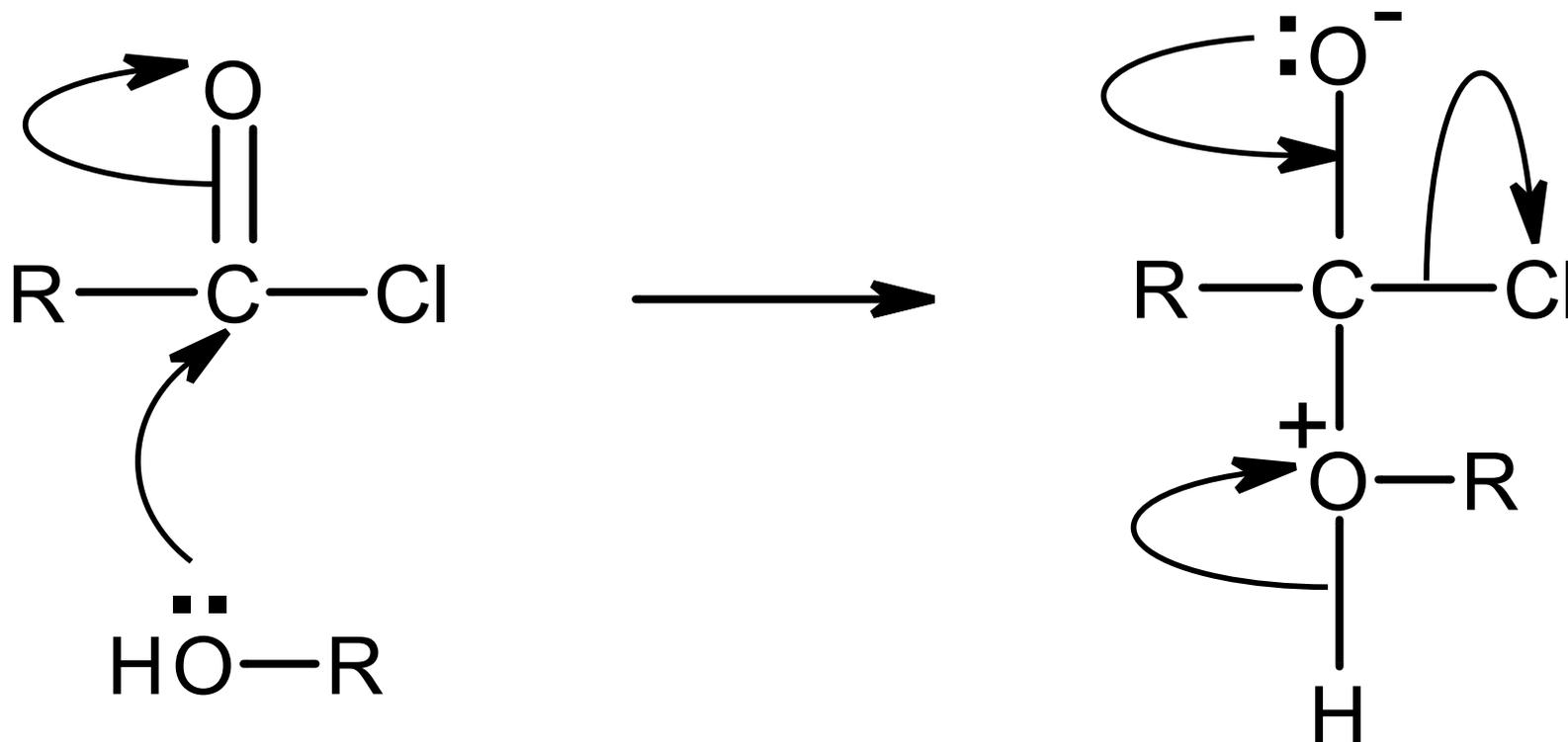
e.g. ammonia + propanoic anhydride



# ACYLATION

Nucleophilic addition-elimination

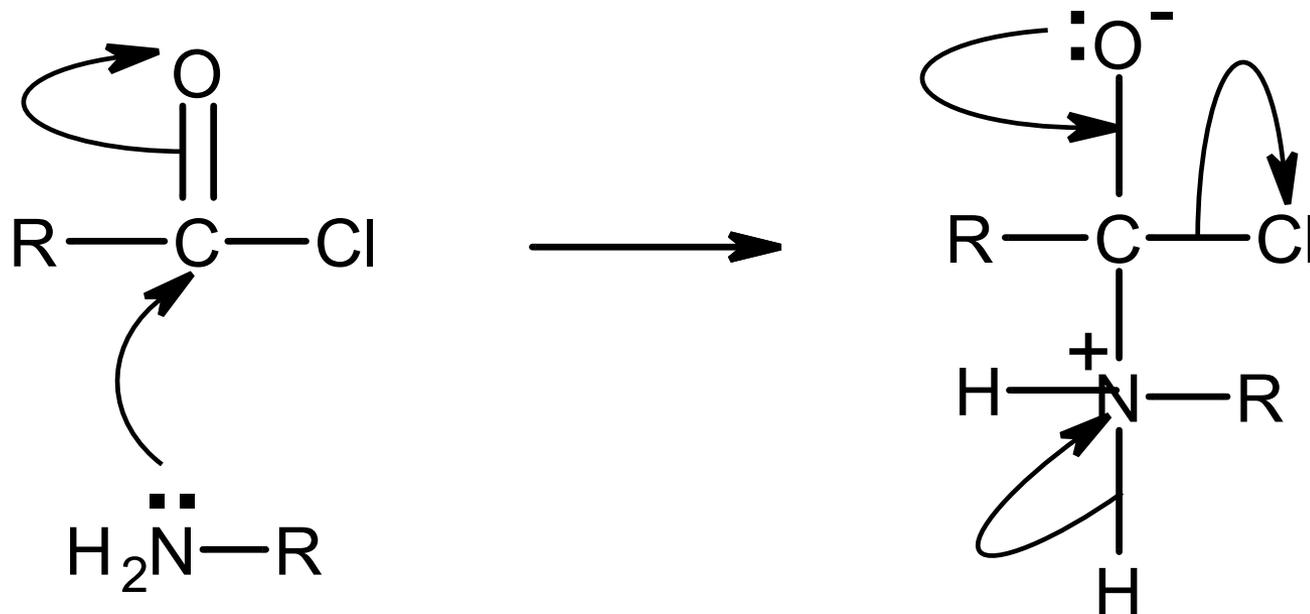
alcohols & water



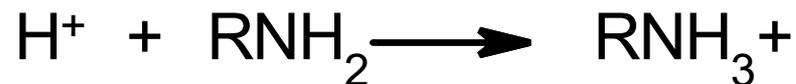
# ACYLATION

Nucleophilic addition-elimination

amines & ammonia



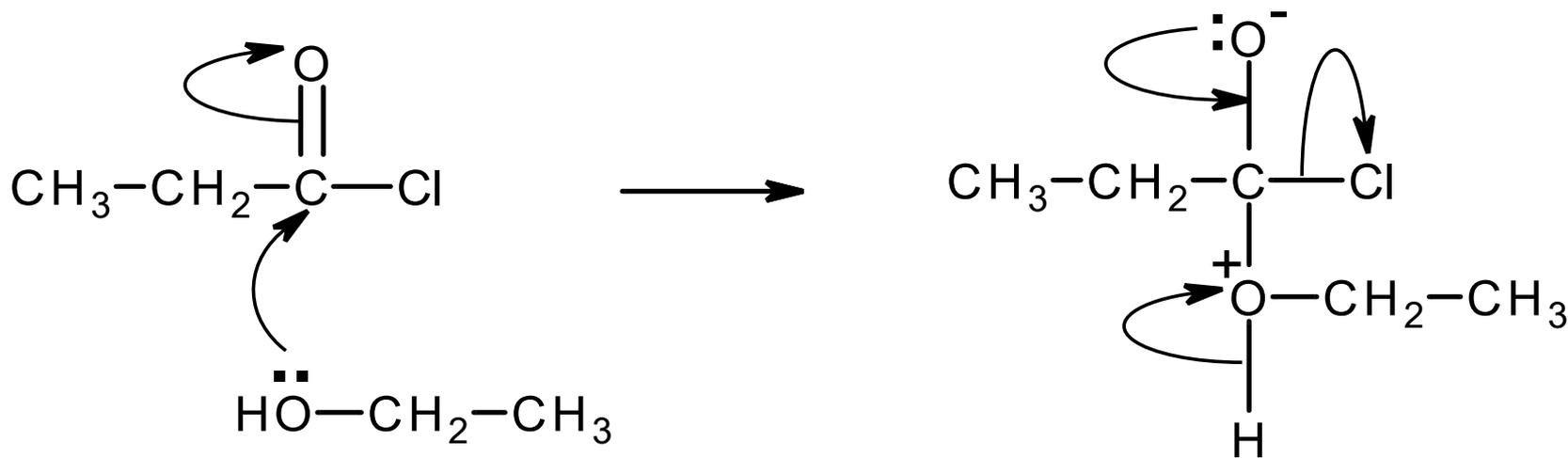
then



# ACYLATION

## Nucleophilic addition-elimination

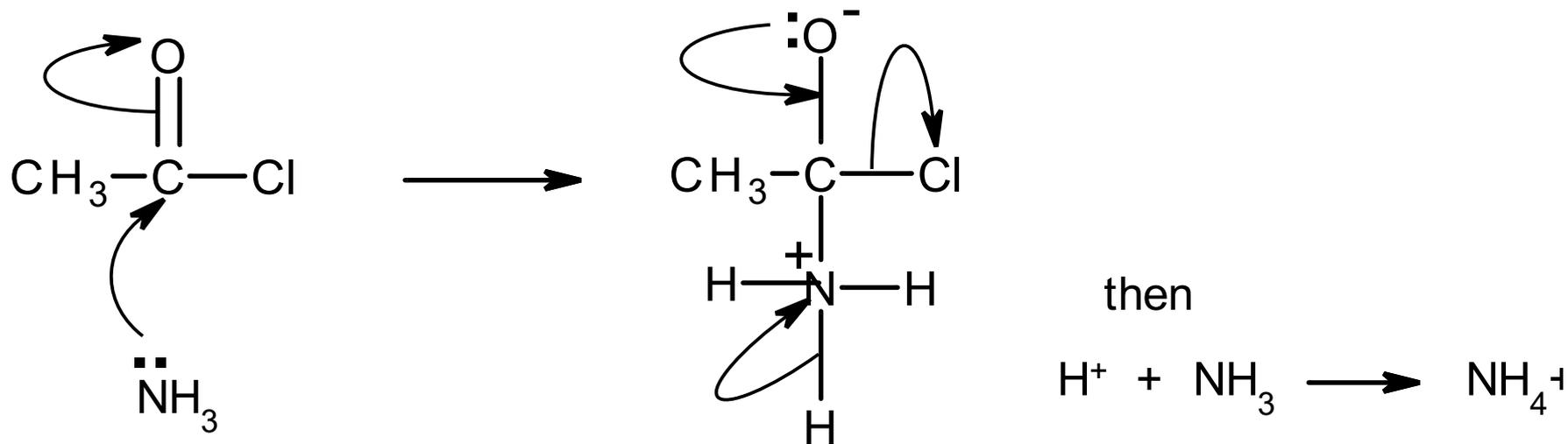
e.g. ethanol + propanoyl chloride



# ACYLATION

## Nucleophilic addition-elimination

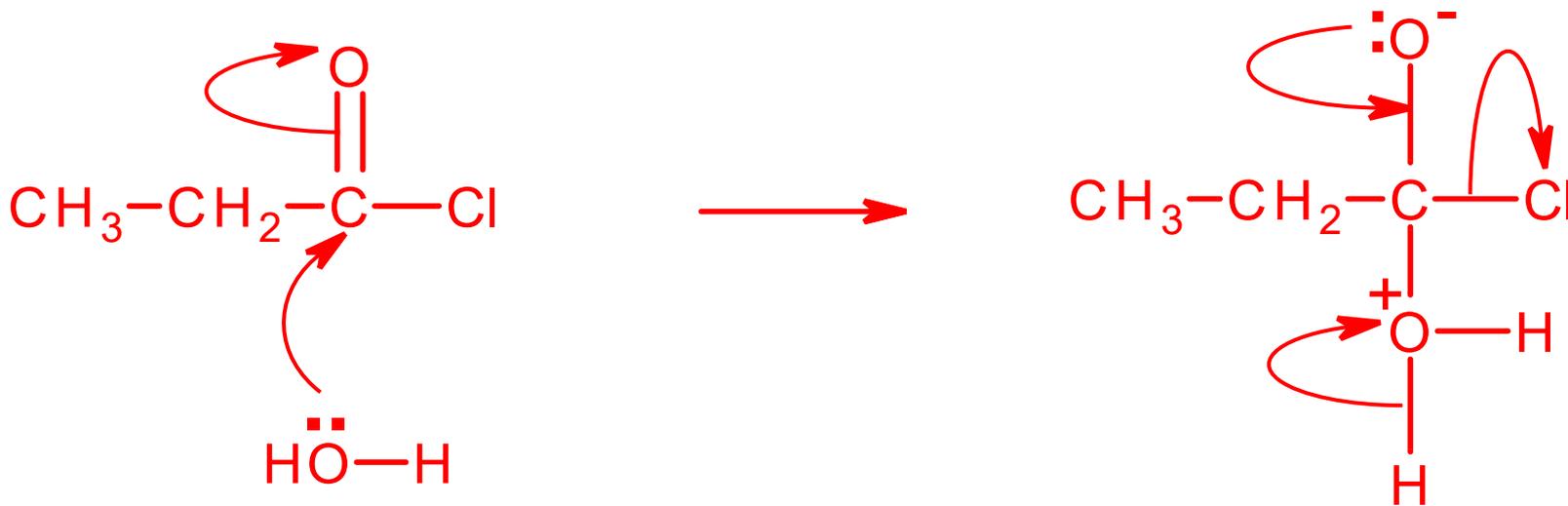
e.g. ammonia + ethanoyl chloride



# ACYLATION

## Nucleophilic addition-elimination

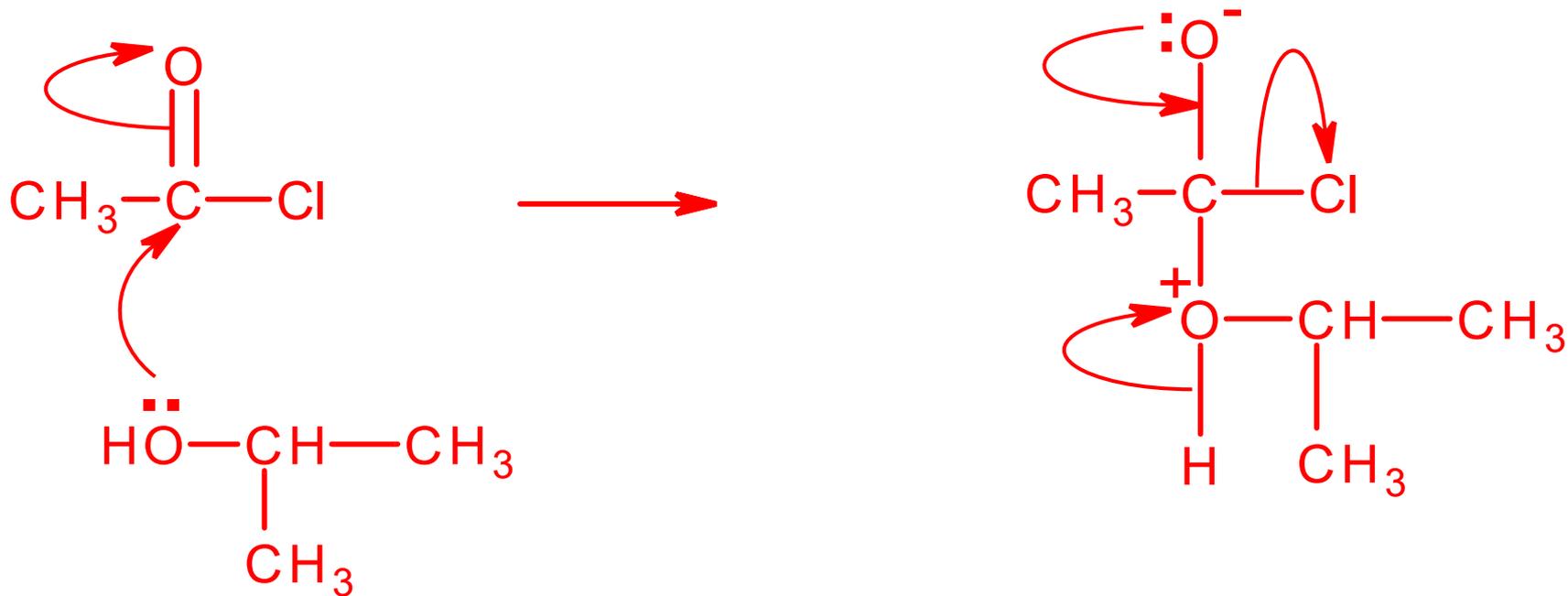
e.g water + propanoyl chloride



# ACYLATION

## Nucleophilic addition-elimination

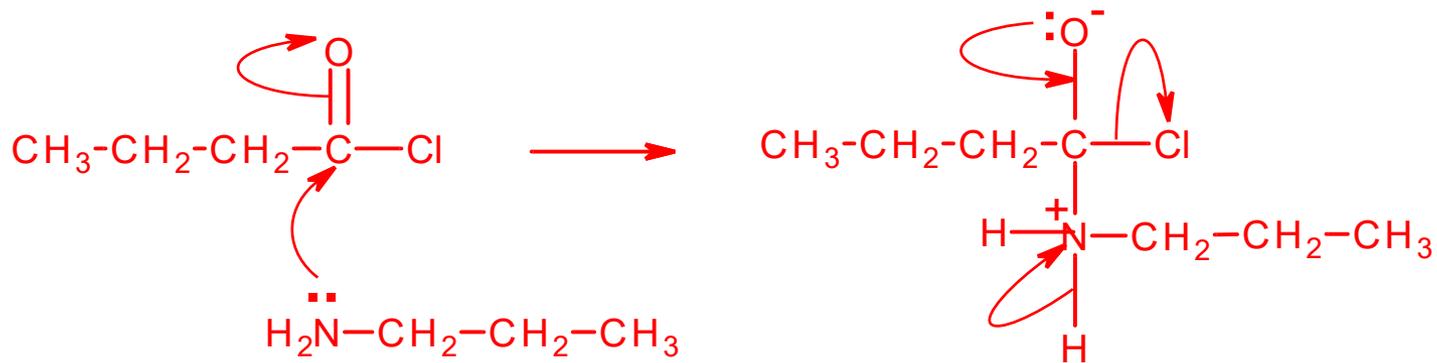
e.g. propan-2-ol + ethanoyl chloride



# ACYLATION

## Nucleophilic addition-elimination

e.g. propylamine + butanoyl chloride



then

