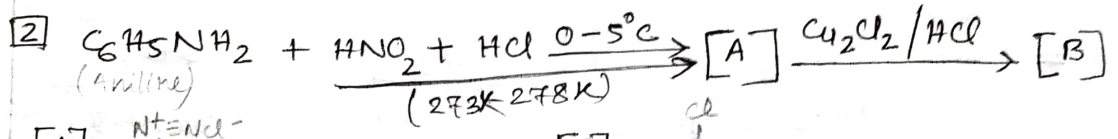
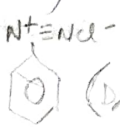



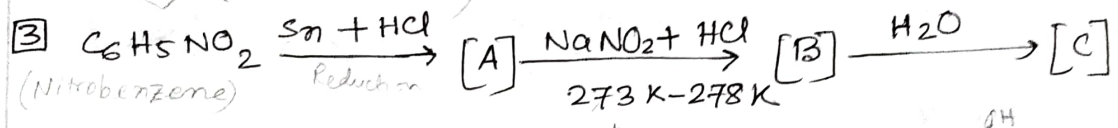
"WORK sheet - 03" "Identify the compounds"

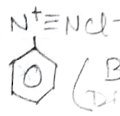



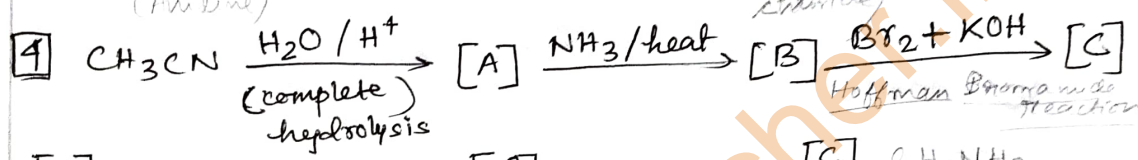
[A]  $CH_3CN$  [B]  $CH_3COOH$



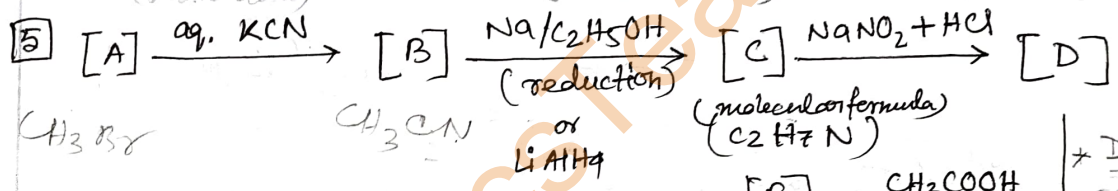
[A]  (Benzene Diazonium chloride) [B]  (Chlorobenzene)



[A]  $C_6H_5NH_2$  (Aniline) [B]  (Benzene Diazonium chloride) [C]  (Phenol)

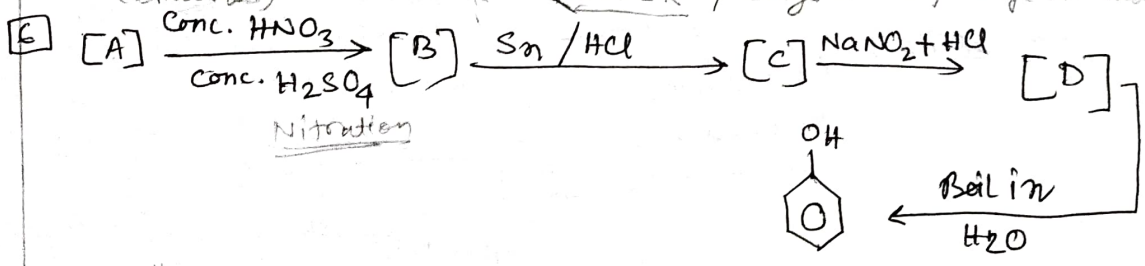


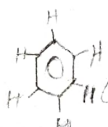
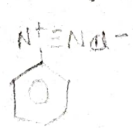
[A]  $CH_3COOH$  (Acetic acid) [B]  $CH_3CONH_2$  (Ethanimide) [C]  $CH_3NH_2$  (Methyl amine)

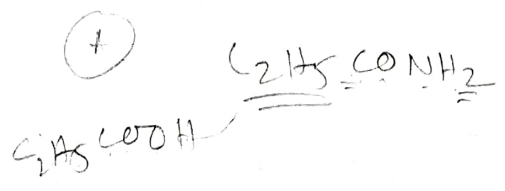
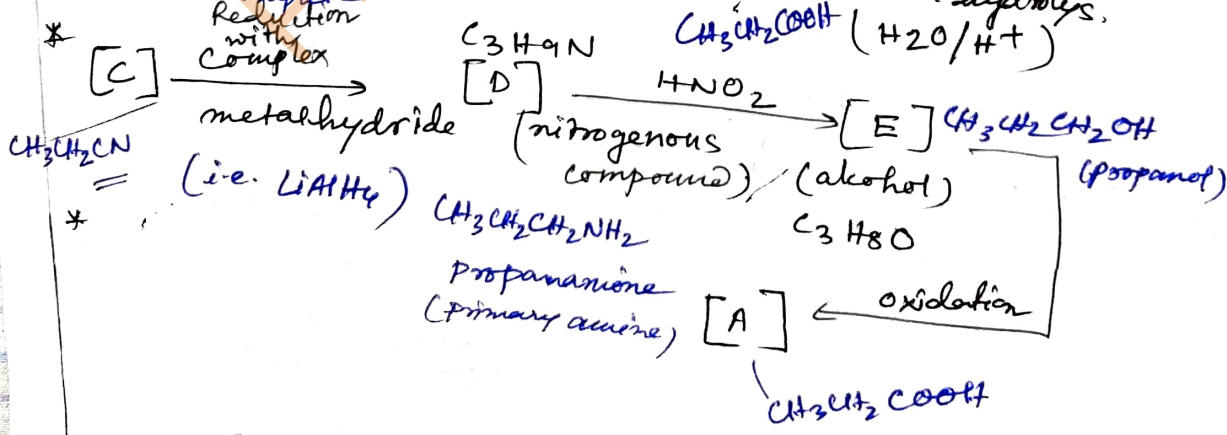
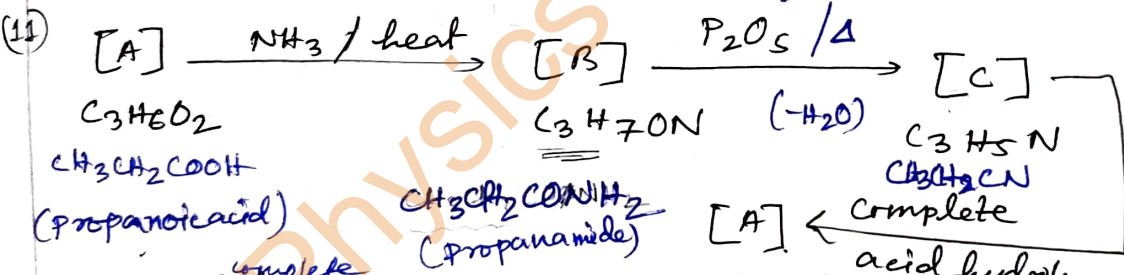
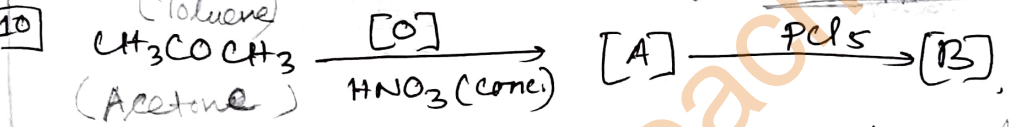
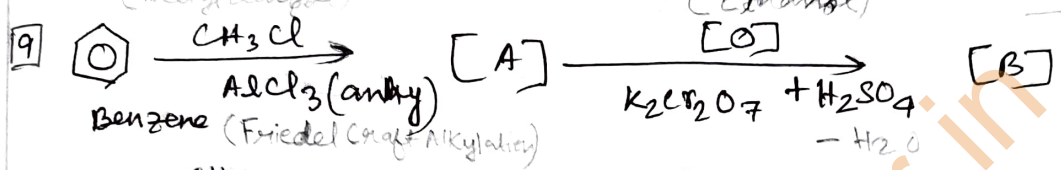
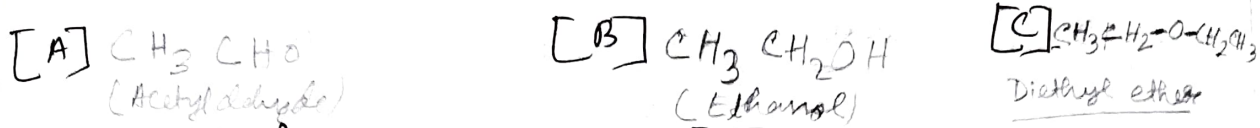
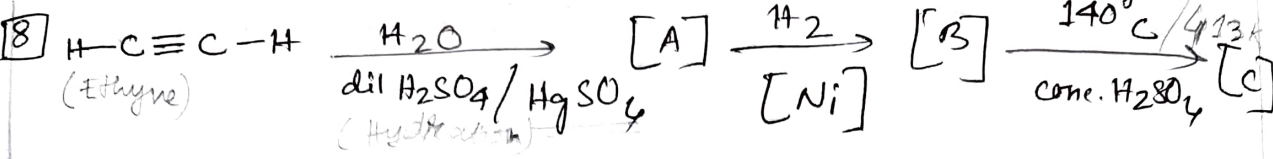
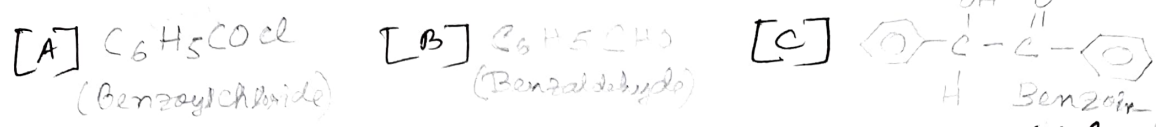
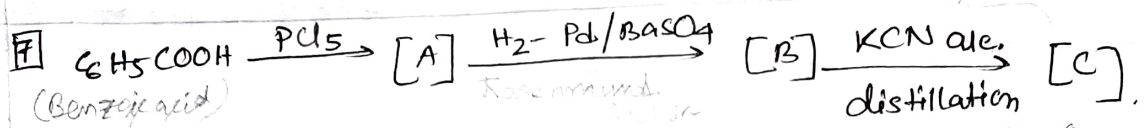


[E]  $\xleftarrow[ESTERIFICATION]{CH_3COOH, conc. H_2SO_4} [D] \rightarrow [E]$   
(sweet smelling compound)

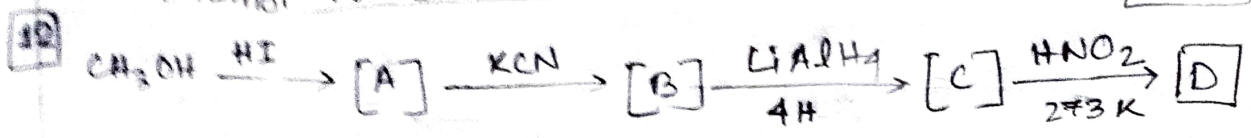
[A]  $CH_3Br$  [B]  $CH_3CN$  [C]  $CH_3CH_2NH_2$  (Ethyl Amine) / Ethanamine  
[D]  $CH_3CH_2OH$  (Ethanol) [E]  $CH_3COOCH_2CH_3$  (ESTER / Ethyl Acetate / Ethyl Ethanoate)



[A]  ( $C_6H_6$  - Benzene) [B]  $C_6H_5NO_2$  (Nitrobenzene) [C]  $C_6H_5NH_2$  (Aniline)  
[D]  (Benzene Diazonium chloride)

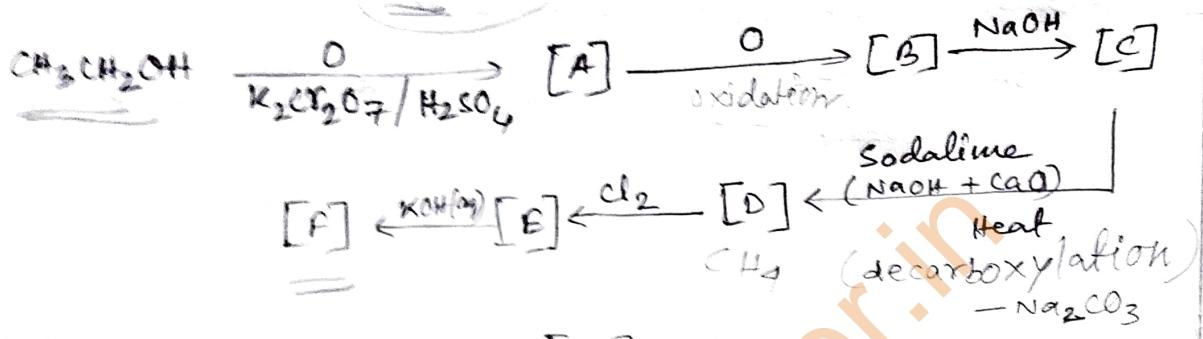


"Methanol to ethanol" conversion.



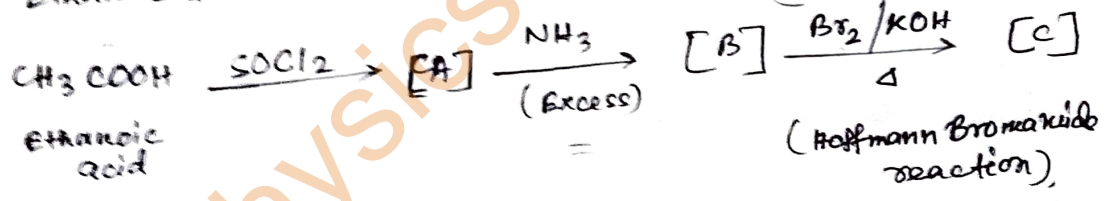
- [A]  $CH_3I$  (methyl iodide)      [C]  $CH_3CH_2NH_2$  (ethanamine)  
 [B]  $CH_3CH_2CN$  (nitrile)      [D]  $CH_3CH_2OH$  (ethanol)

13 Ethanol to methanol



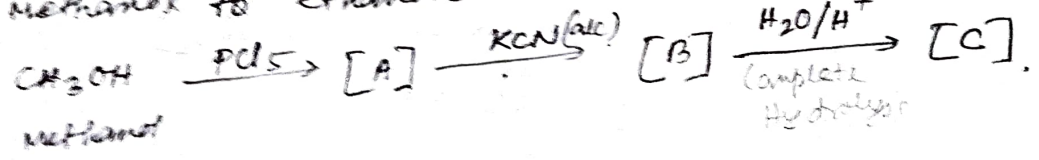
- [A]  $CH_3CHO$  (Ethanal / Aldehyde)      [D]  $CH_3COOH$  (Acetic acid)  
 [B]  $CH_3COOH$  (Acetic acid)      [E]  $CH_3COCl$  (Acetyl chloride)  
 [C]  $CH_3COONa$  (Sodium ethanoate)      [F]  $CH_3OH$  (Methanol)

14 Ethanoic acid into methanamine



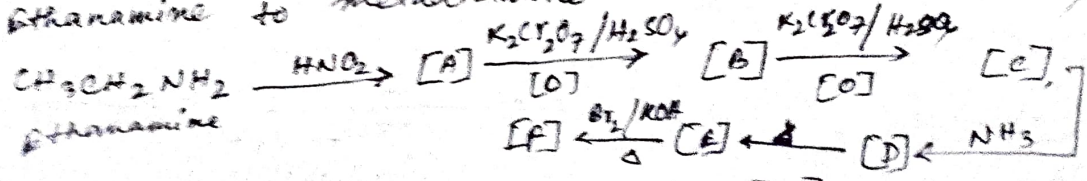
- [A]  $CH_3COCl$  (Acetyl chloride / Ethanoyl chloride)      [B]  $CH_3CONH_2$  (Ethanamide)  
 [C]  $CH_3NH_2$  (Methyl amine / Methanamine)

15 Methanol to ethanoic acid



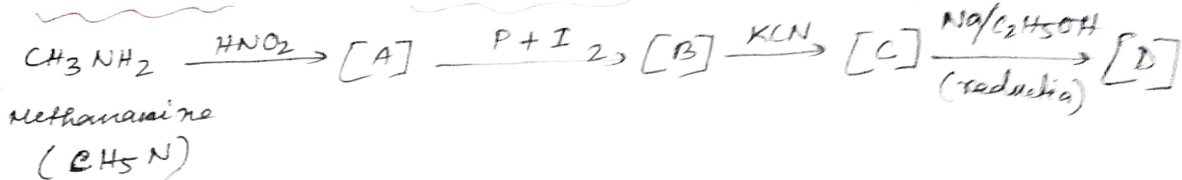
- [A]  $CH_3Cl$       [B]  $CH_3CN$       [C]  $CH_3COOH$  (acetic acid / Ethanoic acid)

16 Ethanamine to methanamine



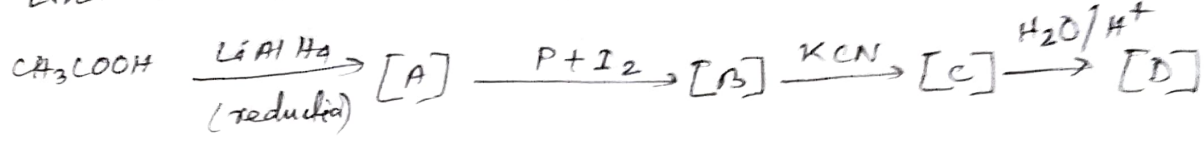
- [A]  $CH_3CH_2NO$  (N-ethylethanamine)      [B]  $CH_3CH_2CHO$  (Ethanal)      [C]  $CH_3COOH$  (Acetic acid)  
 [D]  $CH_3CH_2NH_2$  (Ethanamine)      [E]  $CH_3COCl$  (Acetyl chloride)      [F]  $CH_3OH$  (Methanol)

17 Methanamine to ethanamine:



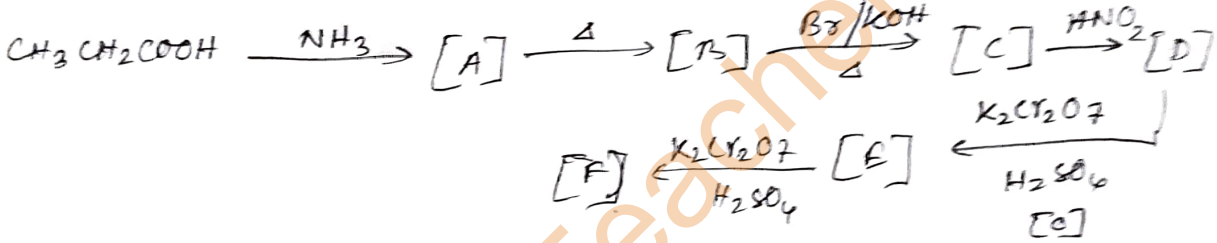
- [A] CH<sub>3</sub>SOH (Methanesulphonic acid) [B] CH<sub>3</sub>I (Iodomethane) [C] CH<sub>3</sub>CH<sub>2</sub>CN (Acetonitrile) [D] CH<sub>3</sub>CH<sub>2</sub>NH<sub>2</sub> (Ethanamine)

18 Ethanoic acid into propanoic acid



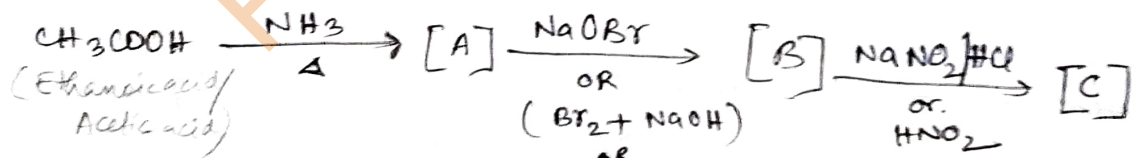
- [A] CH<sub>3</sub>CH<sub>2</sub>OH (Ethanol) [B] CH<sub>3</sub>CH<sub>2</sub>I (Ethyl iodide) [C] CH<sub>3</sub>CH<sub>2</sub>CN (Acetonitrile) [D] CH<sub>3</sub>CH<sub>2</sub>COOH (Propanoic acid)

19 propanoic acid into ethanoic acid.



- [A] CH<sub>3</sub>CH<sub>2</sub>COONH<sub>4</sub> (Ammonium propanoate) [B] CH<sub>3</sub>CH<sub>2</sub>CONH<sub>2</sub> (Propanamide) [C] CH<sub>3</sub>COOH (Ethanoic acid) [D] CH<sub>3</sub>CH<sub>2</sub>OH (Ethanol) [E] CH<sub>3</sub>CHO (Ethanal) [F] CH<sub>3</sub>COOH (acetic acid)

20 Ethanoic acid to methanol.



- [A] CH<sub>3</sub>CONH<sub>2</sub> [B] CH<sub>3</sub>NH<sub>2</sub> [C] CH<sub>3</sub>OH (methanol)

