

O doubtnut

India's Number 1 Education App

CHEMISTRY

BOOKS - S DINESH & CO CHEMISTRY (HINGLISH)

APPENDIX

Completion Reactions

1. $CH_3CH_2Br \stackrel{Mg}{\underset{ether}{\longrightarrow}} [A] \stackrel{C_2H_5OH}{\longrightarrow} [B] + Mg(OC_2H_5)Br$



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$$\textbf{3.}\left(CH_{3}\right)_{2}CHBr\xrightarrow[(ii)\,\mathrm{Cul}]{(ii)\,\mathrm{Cul}}\left[A\right]\xrightarrow{(CH_{3})_{2}CHCH_{2}Br}\left[B\right]$$



4.
$$CH \equiv CH \xrightarrow[Pd/BaSO_4]{H_2} [A] \xrightarrow{Br_2} [B] \xrightarrow[ext{Heat}]{KOH\,(\,alc\,.\,)} [C]$$



5.
$$CH_3Br \xrightarrow[ether]{Na} [A] \xrightarrow[hv]{Br_2} [B] \xrightarrow[ether]{Na} [C]$$



6. $CH_3CH_2OH \xrightarrow{H_2SO_4\,(\,conc\,.\,)} [A] \xrightarrow{H_2O\,/\,H^+} [B] \xrightarrow{PCI_5} [C]$



 $CH \equiv CH \xrightarrow[HgSO_4/H_2SO_4]{H_2O} [A] \xrightarrow[LiAlH_4/H]{LiAlH_4/H} [B] \xrightarrow[443K]{H_2SO_4\,(\,conc\,.\,)} [C]$

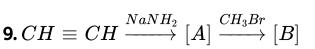
7.

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8. $CH_3-CH=CH_2 \xrightarrow[773K]{Br_2} [A] \xrightarrow[\text{Heat}]{KOH\,(\,alc\,.\,)} [B]$



10.
$$CH \equiv CH \xrightarrow{Br_2} [A] \stackrel{Zn}{\longrightarrow} [B]$$

$$CH_3-CH=CH_2 \xrightarrow{HBr} [A] \xrightarrow{KOH\,(\,aq\,)} [B] \xrightarrow{H_2SO_4\,(\,conc\,.\,)} [C]$$



11.

$$\textbf{13.} \ CH \equiv CH \xrightarrow{\text{(Cu-tubes)}} [A] \xrightarrow{CH_3Cl} [B] \xrightarrow{\text{Cl}_2} [C]$$



14.
$$C_6H_5CH_2CH(Cl)C_6H_5 \xrightarrow[\text{Heat}]{\text{KOH(alc.)}} [A]$$



15.
$$CH_3CH = CH_2 + BrCCl_3 \stackrel{ ext{Peroxide}}{\longrightarrow} [A]$$

