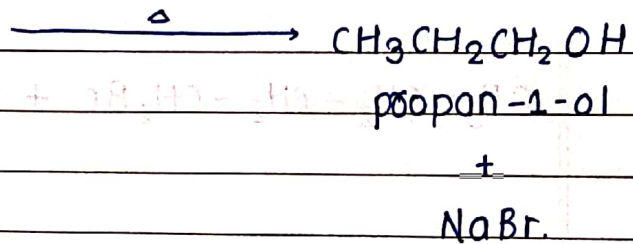
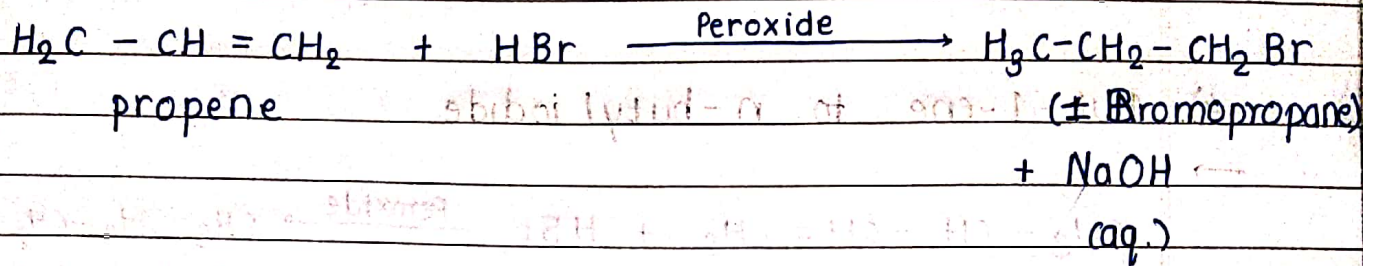


LS No-10 - Halogen derivatives (Assignment)

Q Convert the following:-

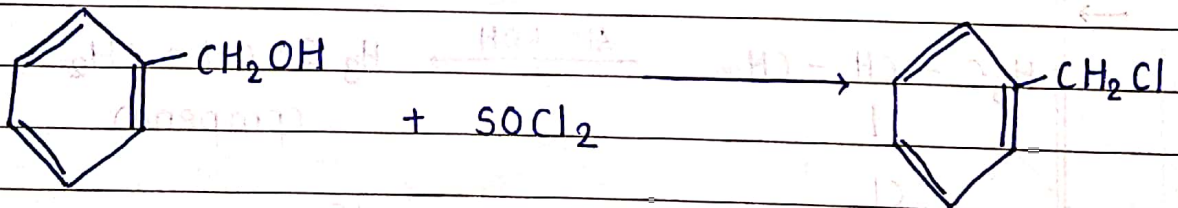
1) Propene to propan-1-ol.

→



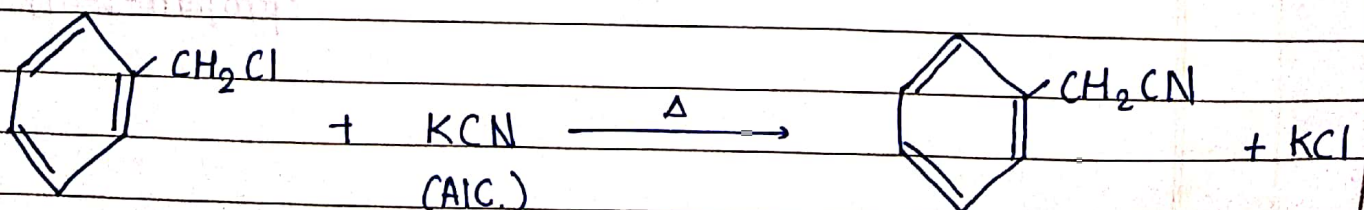
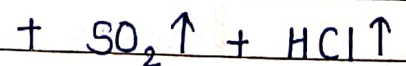
2) Benzyl alcohol to benzyl cyanide

→



Benzyl alcohol

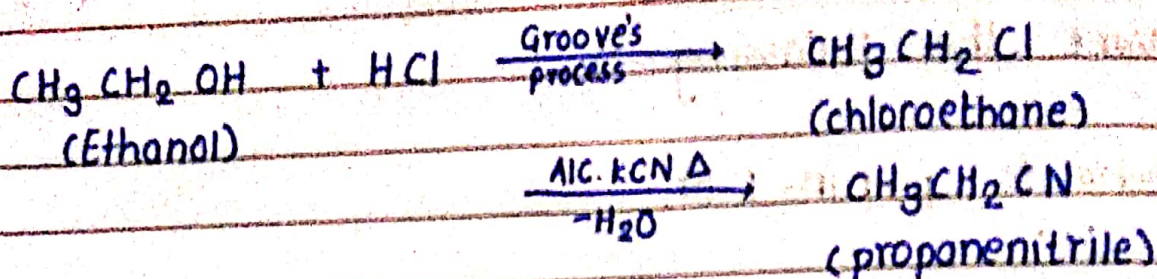
Benzyl chloride



Benzyl cyanide

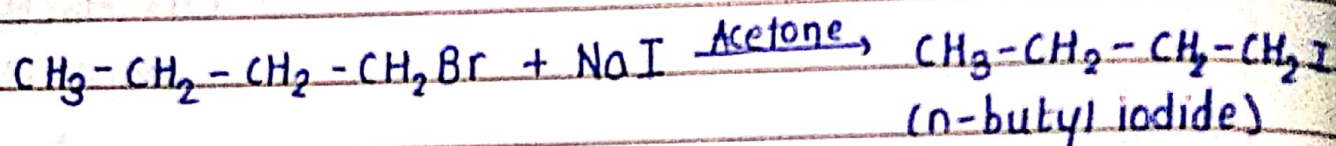
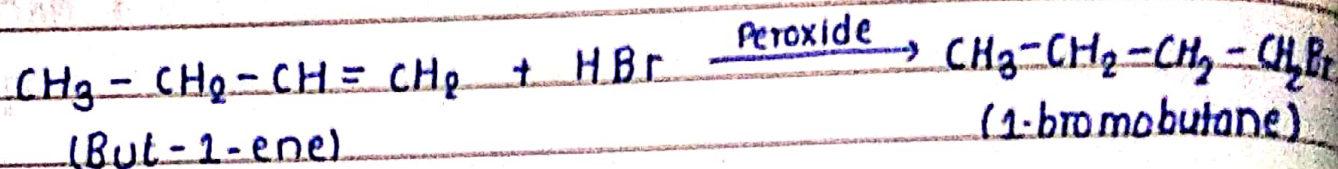
3) Ethanol to propane nitrile

→



4) But-1-ene to n-butyl iodide

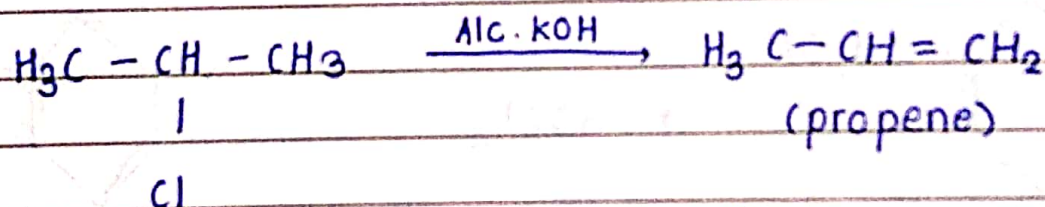
→



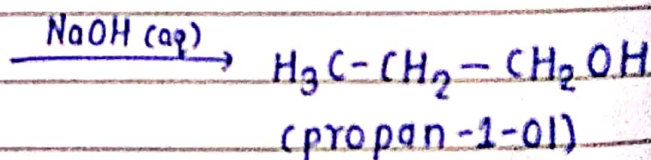
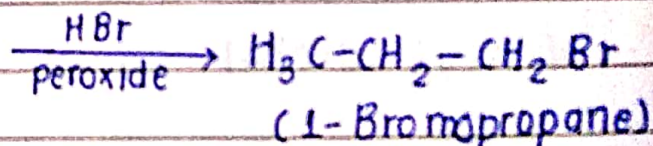
+ NaBr ↓

5) 2-chloropropane to propan-1-ol

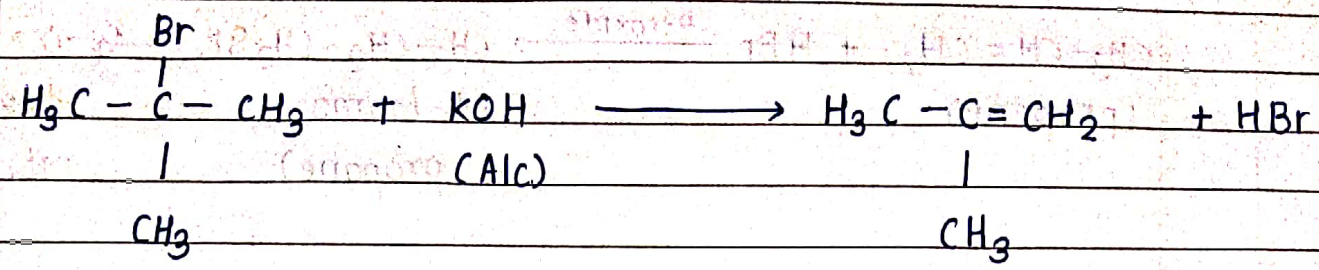
→



2-chloropropane



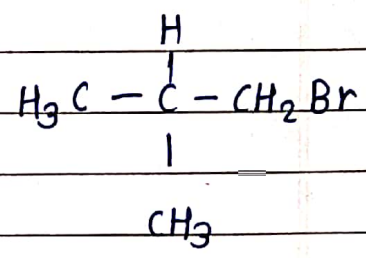
6) tert - Butyl bromide to isobutyl bromide



(Tert - Butyl bromide)
(2-Bromo, 2-methyl
propane)

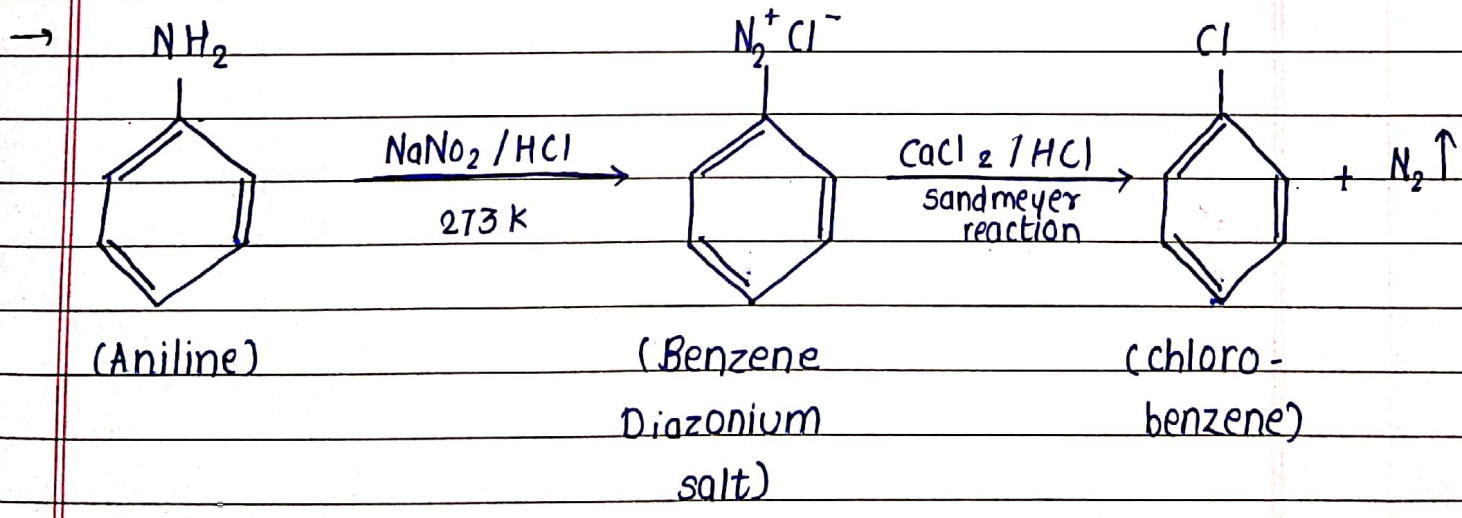
(Isobutene)
(2-methyl prop-
1-ene)

Peroxide →



(Isobutyl bromide)

7) Aniline to chlorobenzene



(Aniline)

(Benzene
Diazonium
salt)

(chloro-
benzene)

8) propene to 1-nitropropane

→

