PART 2

WATCH VIDEO:

Drag the appropriate reagent to the suitable arrow:

HX @ PX_3 @ PCl_5 @ $SOCl_2$

[O] for 2° alcohol

[O] Only 1° alcohol

[RED]

$NaOH_{(aq)}$

PCC, CH_2Cl_2 for 1° alcohol

i. $LiAlH_4$ ii. H_3O^+

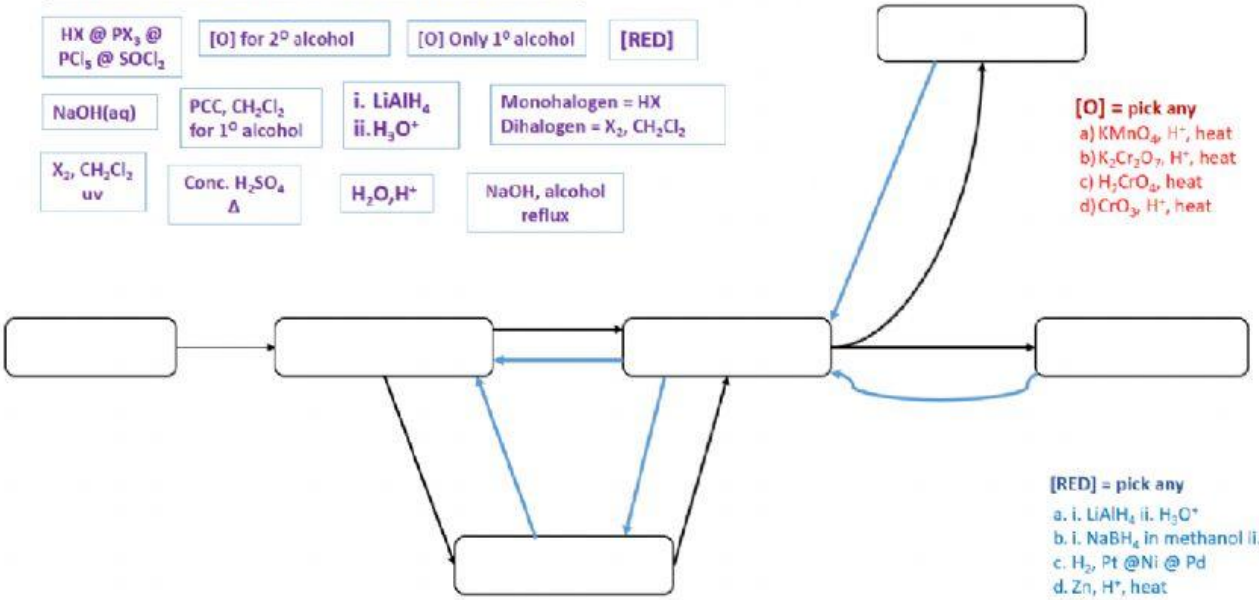
Monohalogen = HX
Dihalogen = X_2, CH_2Cl_2

X_2, CH_2Cl_2 uv

Conc. H_2SO_4 Δ

H_2O, H^+

NaOH, alcohol reflux



[O] = pick any
a) $KMnO_4$, H^+, heat
b) $K_2Cr_2O_7$, H^+, heat
c) H_2CrO_4, heat
d) CrO_3, H^+, heat

[RED] = pick any
a. i. $LiAlH_4$ ii. H_3O^+
b. i. $NaBH_4$ in methanol ii. H_3O^+
c. H_2, Pt @Ni @ Pd
d. Zn, H^+, heat