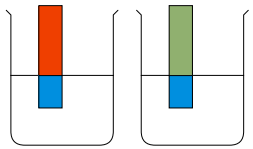
ORGANIC REACTIONS MAP

★ ONLY primary alcohols are oxidised to carboxylic acids

Amines -
Are bases so will turn red litmus blue and green UI blue

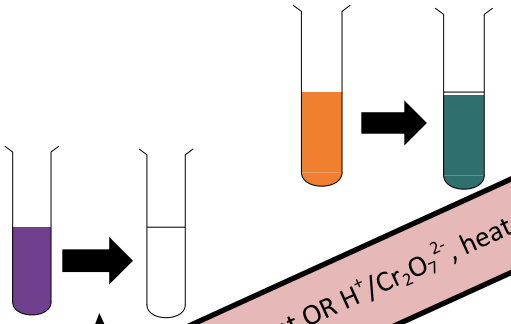


Alcohols

NH_3 (alc), heat

KOH(aq), heat

$SOCl_2$ (or PCl_5 or PCl_3)



H^+/MnO_4^-, heat OR $H^+/Cr_2O_7^{2-}$, heat ★

Conc. H_2SO_4

H_2O/H^+, heat

Haloakanes

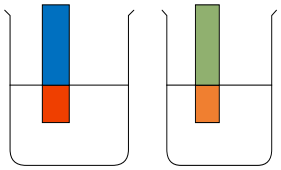
KOH(alc), heat

HX where X is F, Cl, Br, I

Carboxylic acids -
Are acids so will turn blue litmus to red or UI from green to orange

Alkenes C=C

Cl_2 or Br_2, UV and/or heat



H^+/MnO_4^- (useful test for C=C)

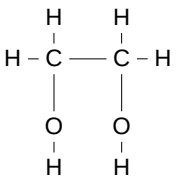
H_2, Ni or Pt catalyst, 150°C

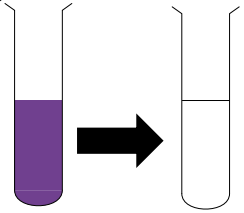
Monomers + heat + pressure +catalyst

Br_2 water

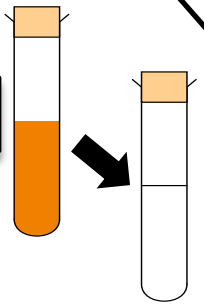
Alkanes C-C

Diols e.g.





Dibromoalkane



Polymers
Now have C-C bonds