

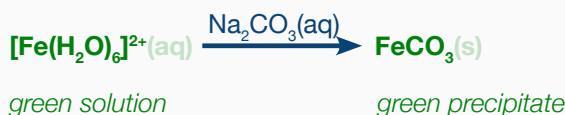
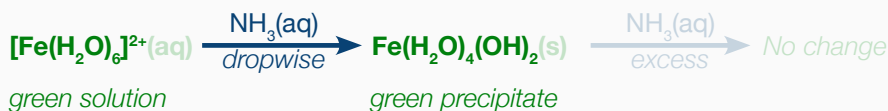
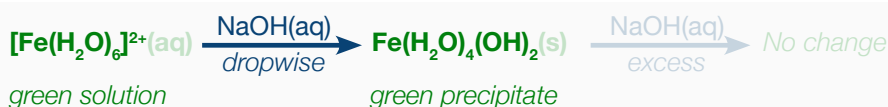


Inorganic Revision Sheet

Metal Aqua Ion Reactions for AQA

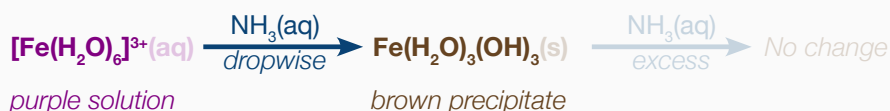
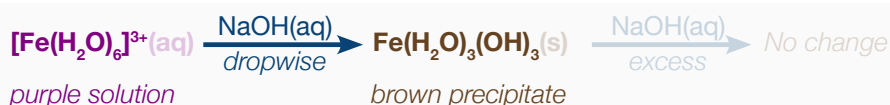
Iron (II), Fe²⁺

dropwise NaOH or NH₃ = green ppt
excess NaOH = no change
excess NH₃ = no change
adding Na₂CO₃ = green ppt



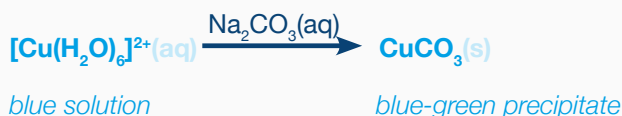
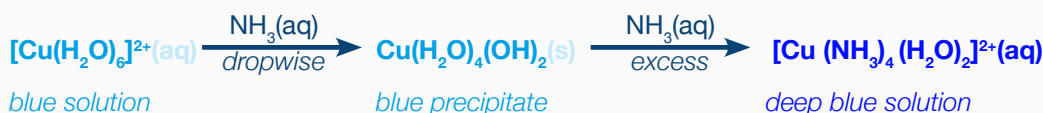
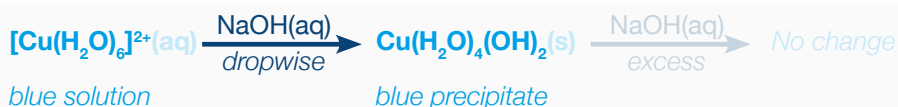
Iron (III), Fe³⁺

dropwise NaOH or NH₃ = brown ppt
excess NaOH = no change
excess NH₃ = no change
adding Na₂CO₃ = brown ppt



Copper (II), Cu²⁺

dropwise NaOH or NH₃ = blue ppt
excess NaOH = no change
excess NH₃ = no change
adding Na₂CO₃ = blue-green ppt



Aluminium (III), Al³⁺

dropwise NaOH or NH₃ = white ppt
excess NaOH = colourless solution
excess NH₃ = no change
adding Na₂CO₃ = white ppt

