



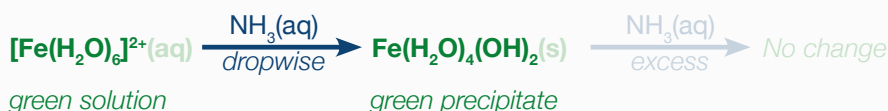
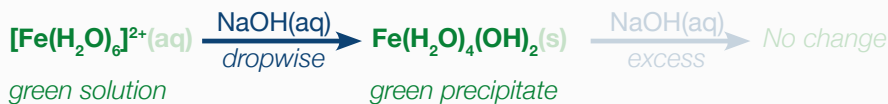
Inorganic Revision Sheet

Metal Aqua Ion Reactions for Edexcel

Fe²⁺, Fe³⁺, Cu²⁺, Cr³⁺ and Co²⁺

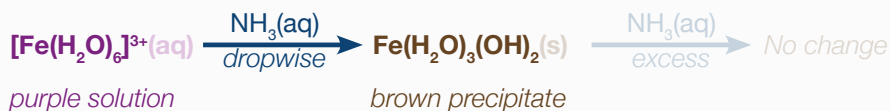
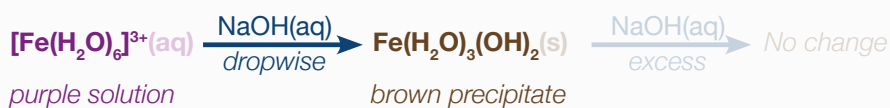
Iron (II), Fe²⁺

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



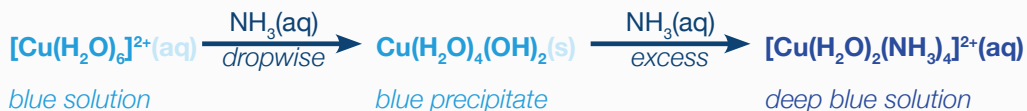
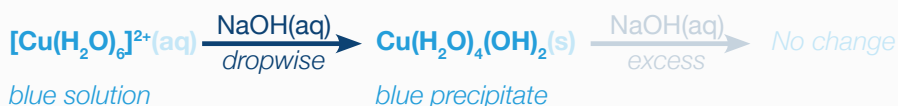
Iron (III), Fe³⁺

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



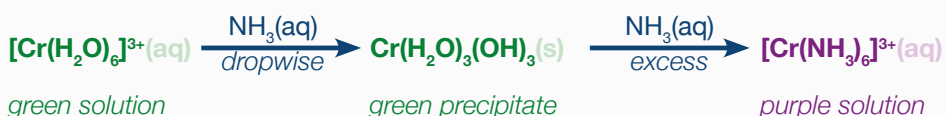
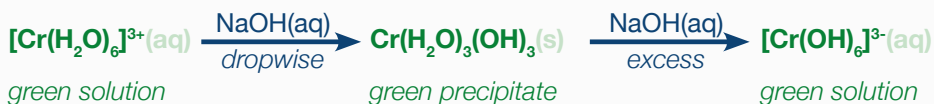
Copper (II), Cu²⁺

dropwise NaOH or NH₃ = blue ppt
excess NaOH = no change
excess NH₃ = deep blue solution



Chromium (III), Cr³⁺

dropwise NaOH or NH₃ = green ppt
excess NaOH = green solution
excess NH₃ = purple solution



Cobalt (II), Co²⁺

dropwise NaOH or NH₃ = blue ppt
excess NaOH = no change
excess NH₃ = yellow solution

