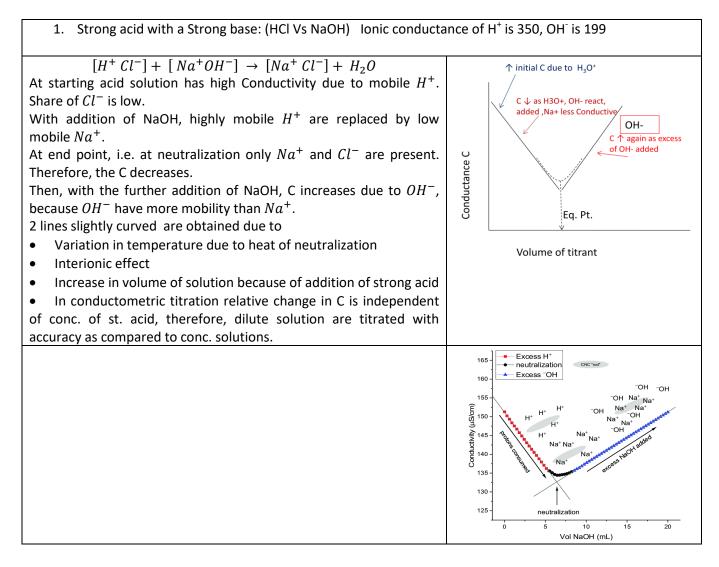
CONDUCTOMETRIC TITRATIONS

Conductivity Titrations:

Acid base titrations: Because of high conductance of -OH and H_3O^{+} , conductivity Titrations are well adapted.



2. Strong acid with a weak base: (HCl Vs NH₄OH)	
With the addition of NH ₄ OH to HCl Conductance	
decreases due to replacement of fast moving H^+ with	
slow moving NH_4^+	
$[H^+ Cl^-] + [NH_4^+ OH^-] \rightarrow [NH_4^+ Cl^-] + H_2O$	
After the end point, addition of NH ₄ OH does not	
change conductance. Because NH ₄ OH is weakly ionized	
electrolyte, has very small conductance compared to	

