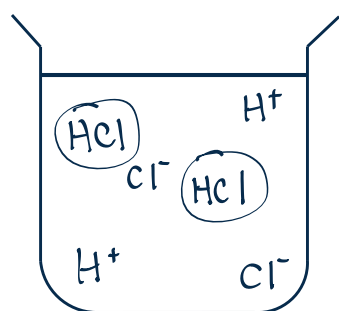


Concentrated and dilute acids

1 Difference

Conc. acid

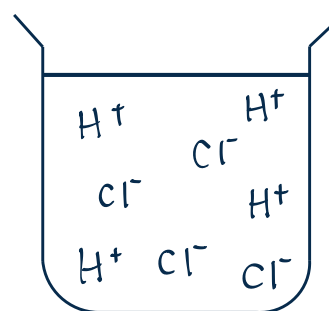
13 至 15 M



水不够, 不能
completely ionize

Dilute acid

零点几 - 1 M



(HCl: strong acid)
completely ionize

2 Characteristics of conc. HCl

- HCl: volatile (易挥发)

↳ 打开瓶盖会有 white fumes

溶不下的 HCl gas, 加上 HCl 沸点低 \rightarrow SMS \rightarrow weak VDW $\%$ molecules

- H_2SO_4 不是 volatile

↳ molecular size \uparrow , VDW \uparrow , B.P. \uparrow