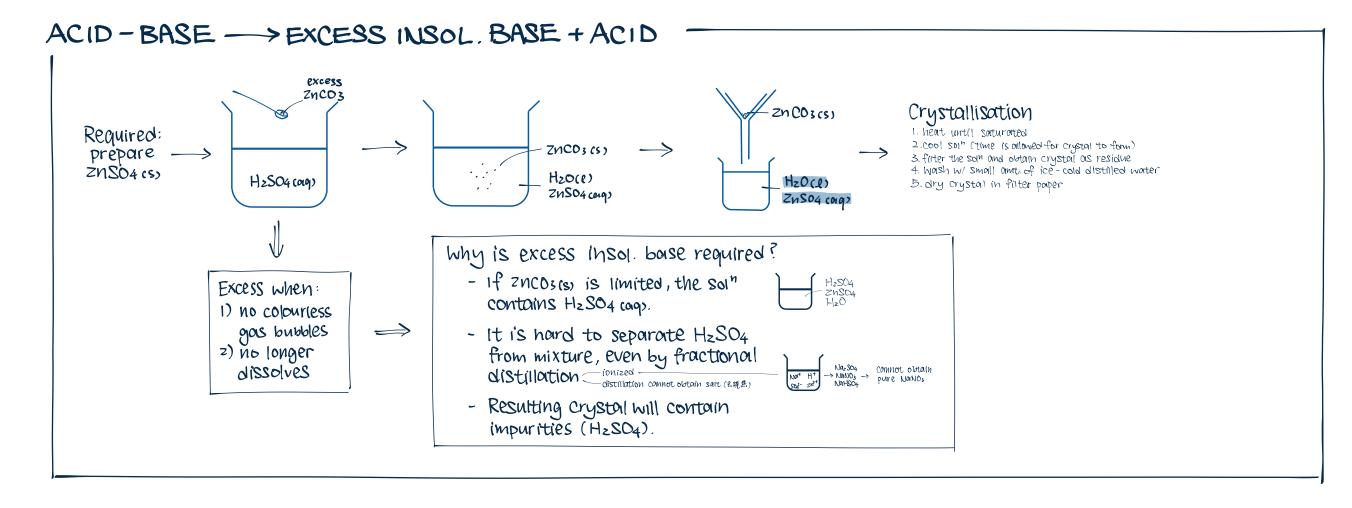
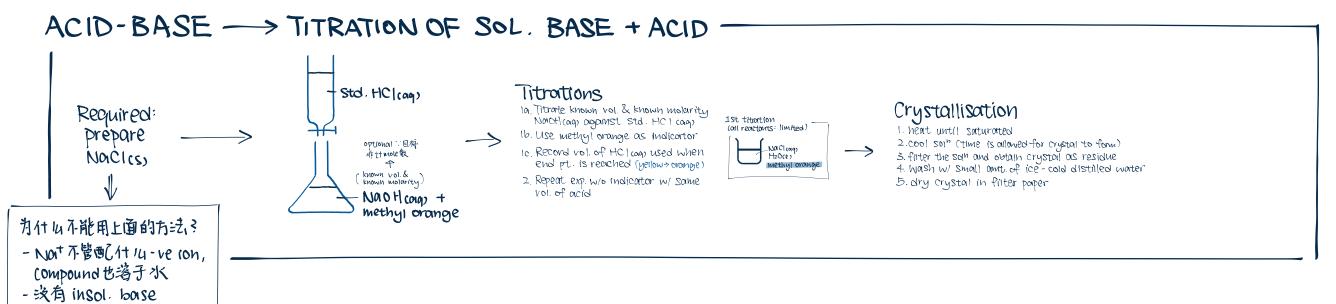
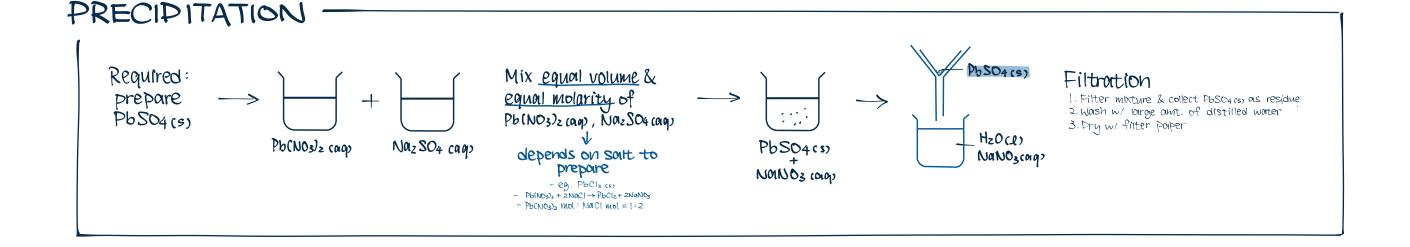
## Preparation of solt

## 1 Soluble salt





## 2 Insoluble salt



## SPECIAL CASE: prepare NaHSO4 (s)

- HzSO4的 ionization其沒有两个步骤:
  - a.  $H_2SO_4 \rightarrow H^+ + HSO_4^-$
  - b. HSO4" => H"+ SO42"
- 如何逼使Hz804 Rionize 吹?

 $\rightarrow$ 

- > 只提供 Complete 以所需mole -半的 HzSO4 (ag).
- > 李来: 2NaOH+HzSO4 -> NazSO4 + 2HzO, NaOH: HzSO4 = 2:1
- > 如果变成: NaOH: H2SO4 = 1:1 => NaOH+ H2SO4 -> NaHSO4 + H2O
- 如何確保 NaOH: HzSO4 = 1:1? → Procedure
  - > MIX equal volume & equal molarity of NOOH cap and HzSO4 cap.
  - > Heat soln until saturated then cool soln.
  - > Time is allowed for crystal to form.
  - > Filter the soln, obtain crystal as residue.
  - > Wash crystal w/ little amt. of ice-cold distilled water.
  - > Dry crystal in filter paper.
- TIP:其他同类型的 Soult 也能通过控制 Mole voitto 而获得