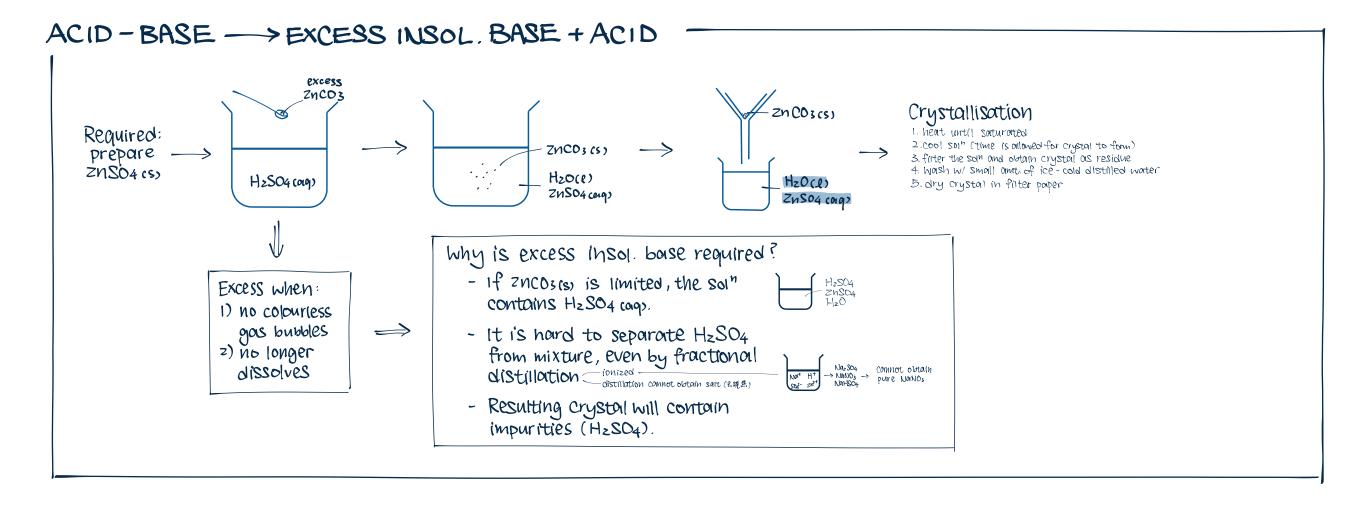
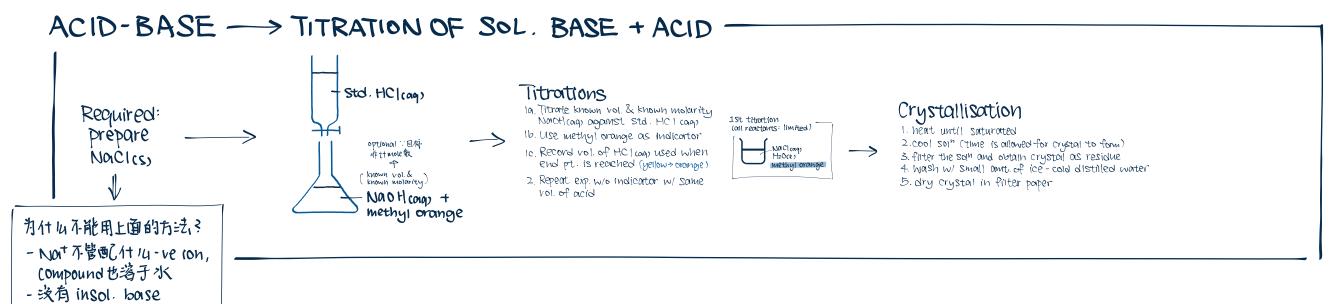
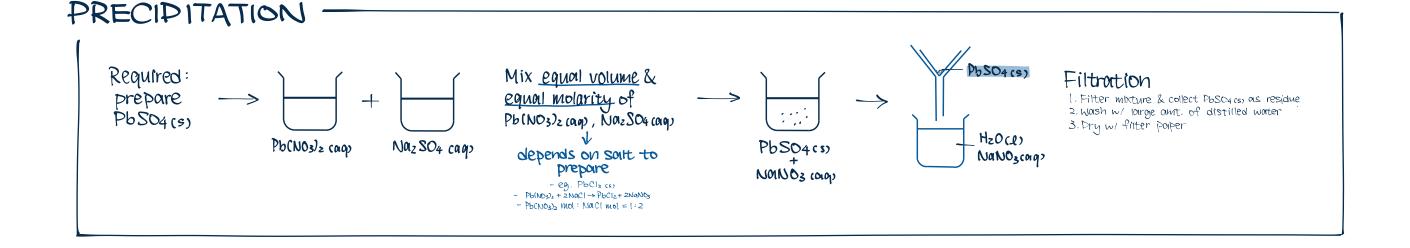
## Preparation of solt

## 1 Soluble salt





## 2 Insoluble salt



## SPECIAL CASE: prepare NaHSO4 (s)

- HzSO4的 ionization其空有两个步骤:
  - a. H=304 -> H+ + HS04
  - b. HSO4" => H"+ SO42"
- 如何逼使Hz804 Rionize 吹?

 $\rightarrow$ 

- > 只提供 Complete 双所需mole -半的 H2SO4 cags.
- > 李来: 2NaOH+HzSO4 -> NazSO4 + 2HzO, NaOH: HzSO4 = 2:1
- > 如果变成: NaiOH: H2SO4=1:1 => NaiOH+ H2SO4 -> NaiHSO4 + H2O
- 如何难保 NaOH: HzSO4 = 1:1? → Procedure
  - > MIX equal volume & equal molarity of NaOH caq, and H2SO4 caq.
  - > 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