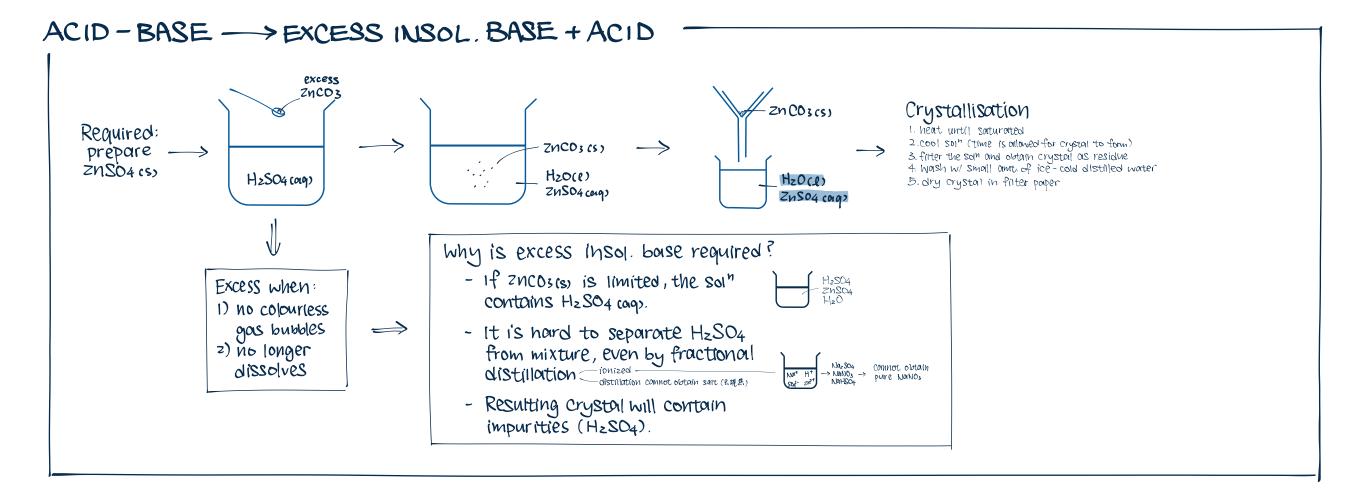
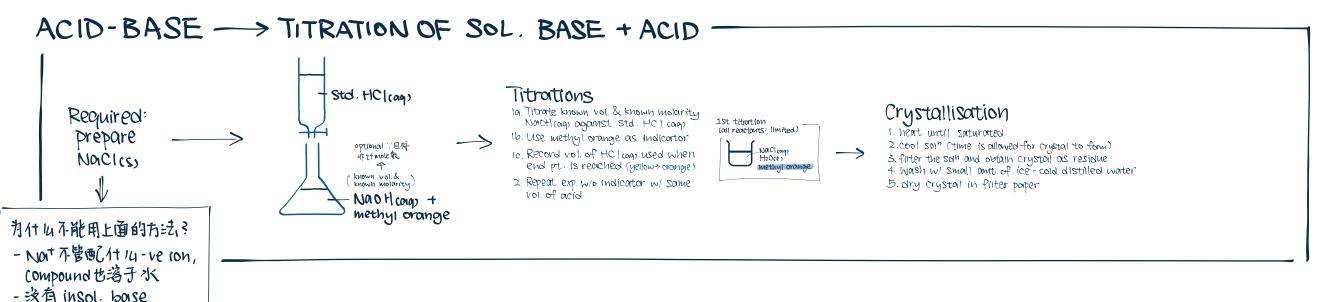
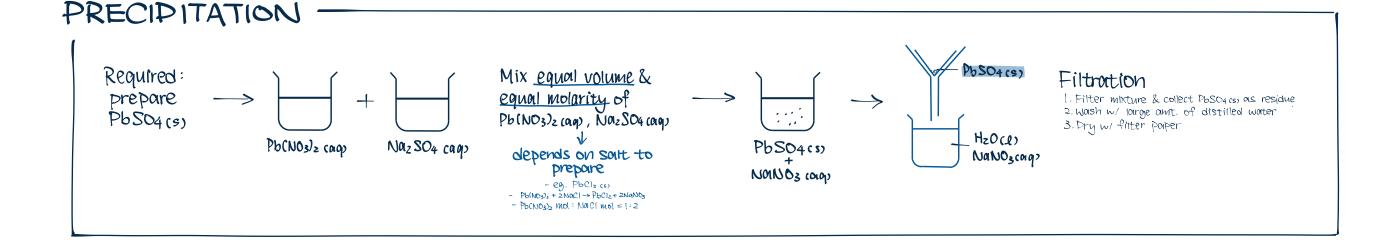
Preparation of solt

1 Soluble salt





2 Insoluble salt



SPECIAL CASE: prepare NaHSO4 (s)

- HzSO4的 ionization其定有两个步骤
 - $a. HzSO4 \rightarrow H^{\dagger} + HSO4^{-}$
 - b. HSO4" -> H"+ SO42"
- 如何逼使Hz804 Rionize 吹?

 \rightarrow

- > 只提供 Complete 以所需 mole -半的 H2SO4 (ag).
- > 李来: 2NaOH+HzSO4 -> NazSO4 + 2HzO, NaOH: HzSO4 = 2:1
- > 如果变成: NaOH: H2SO4=1:1 => NaOH+ H2SO4 -> NaHSO4 + H2O
- 如何难保 NaOH: HzSO4 = 1:1? → Procedure
 - > MIX equal volume & equal molarity of NOOH (ag) and HzSO4 (ag).
 - > 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 Salt也能通过控制 Mole voitto而获得.
 - > $H_3PO_4 \rightleftharpoons H^+ + H_2PO_4$ INAOH + $1H_3PO_4 \rightarrow NaH_2PO_4 + H_2O$ $H_2PO_4 \rightleftharpoons H^+ + HPO_4^2$ INAOH + $1H_3PO_4 \rightarrow Na_2HPO_4 + 2H_2O$ $HPO_4 \rightleftarrows H^+ + PO_4^3$ INAOH + $1H_3PO_4 \rightarrow Na_3PO_4 + 3H_2O$ Mole rotto Mole rotto