

Extraction

220c

9/21/26

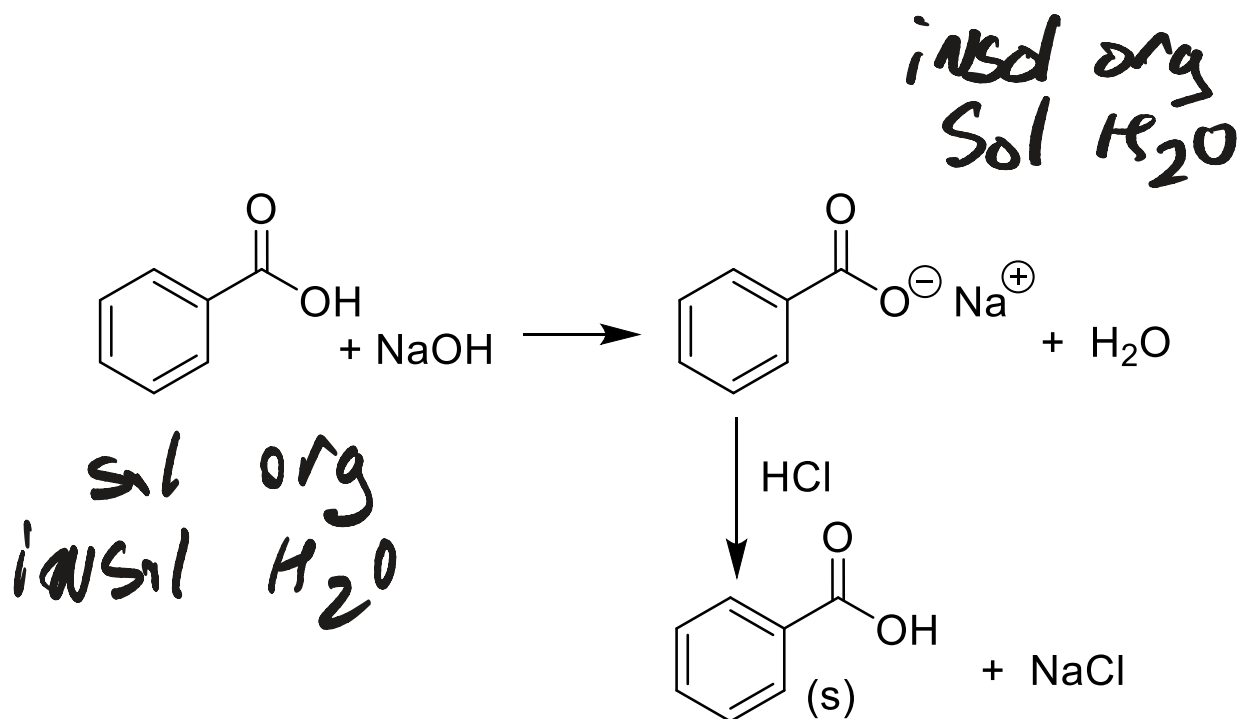
L/S

L/L So Sx

1. Sx & So immiscible with each other
2. Sx irreversibly react with compound
3. Sx specific
4. Sx easily removed

1. ionic strength 2. ~~temp~~ 3. pH

4. ~~pressure~~ Volume



0.2g N/B 1:1

10 mL Ethylacetate (EA)

1 x 10 mL HCl

10 mL HCl
(B)

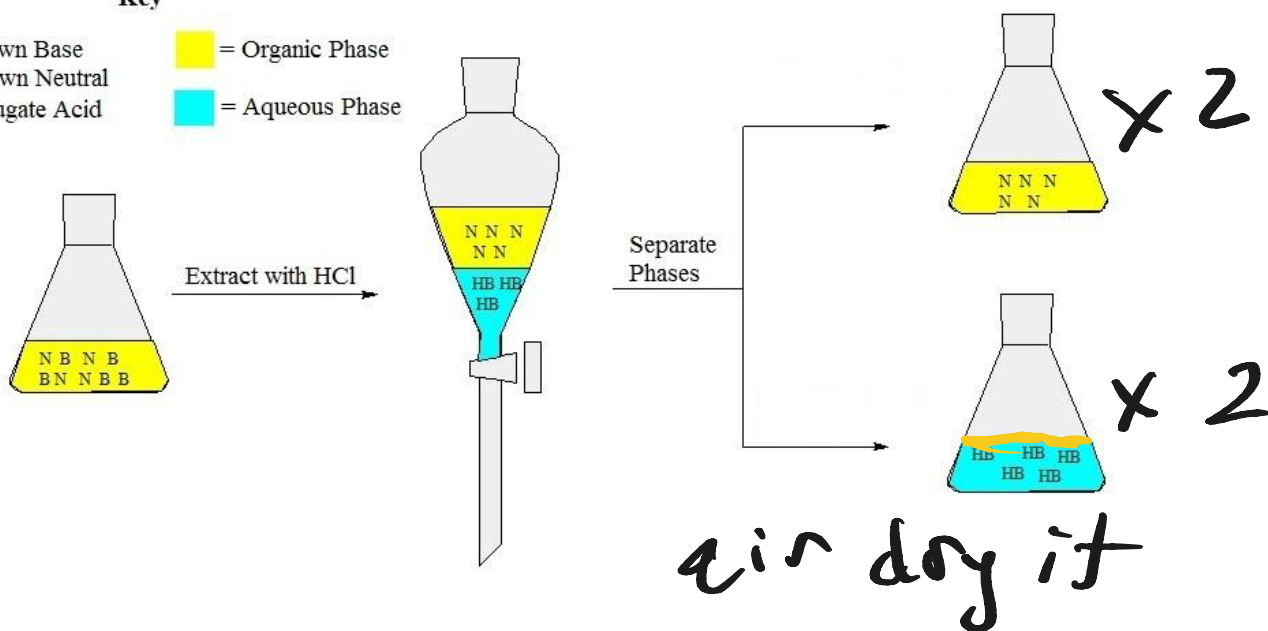
20 mL NaOH ice

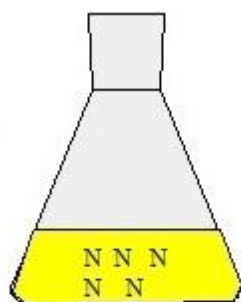
20 mL HCl ice

10 mL EA
(N)

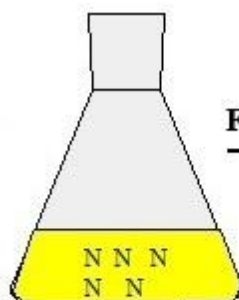
test pH paper $\frac{1}{2}$ point
No more than 2
90%

Key
B = Unknown Base
N = Unknown Neutral
HB = Conjugate Acid
= Organic Phase
= Aqueous Phase



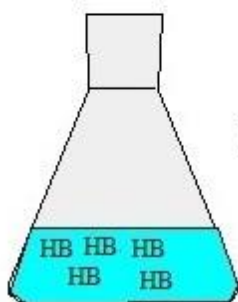


Na_2SO_4
Dry with Sodium Sulfate

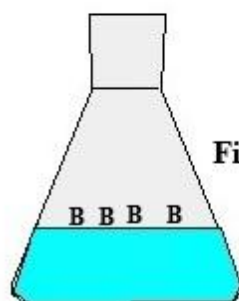


Filter with glass funnel

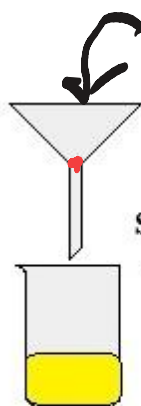
decant



Neutralize with NaOH

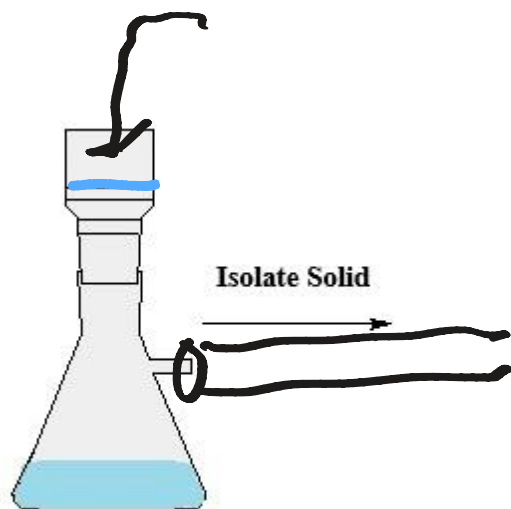


Filter with Buchner Funnel



Simple Distillation

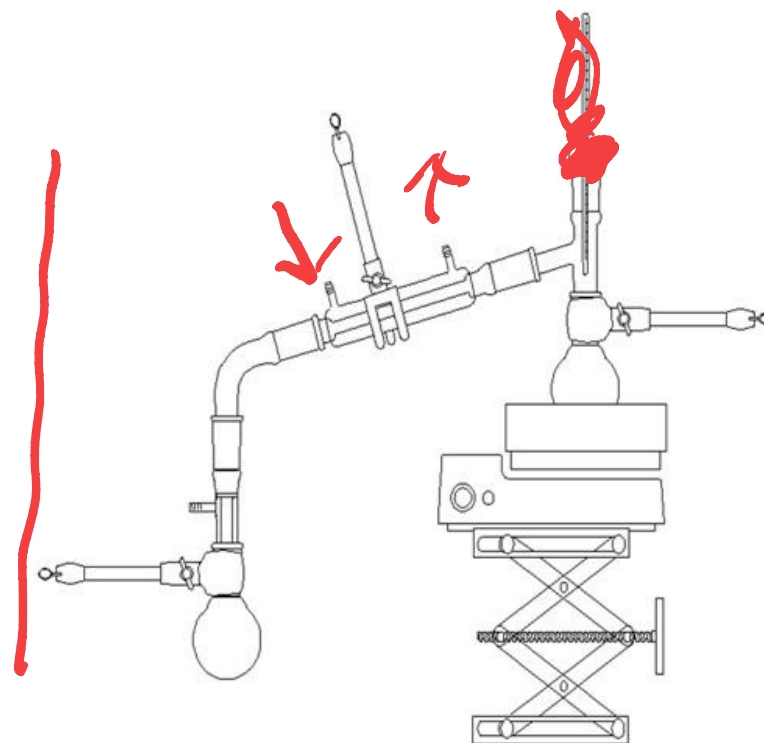
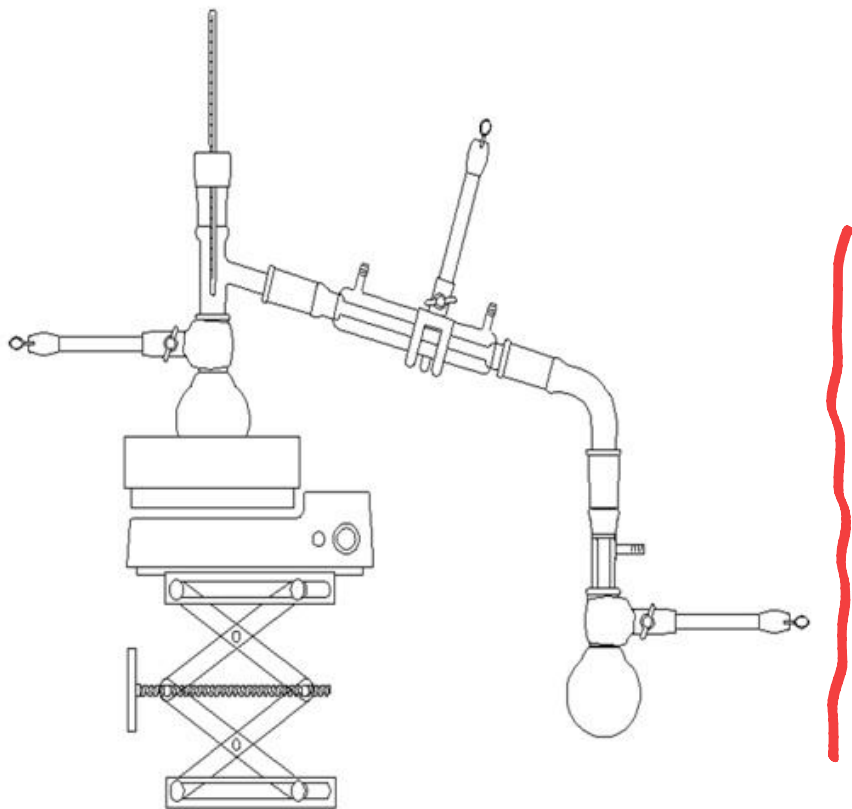
N(s)



Isolate Solid

B(s)

50 mL R. b. Flask
Stopper



200-230°C
4-5

