

Extraction

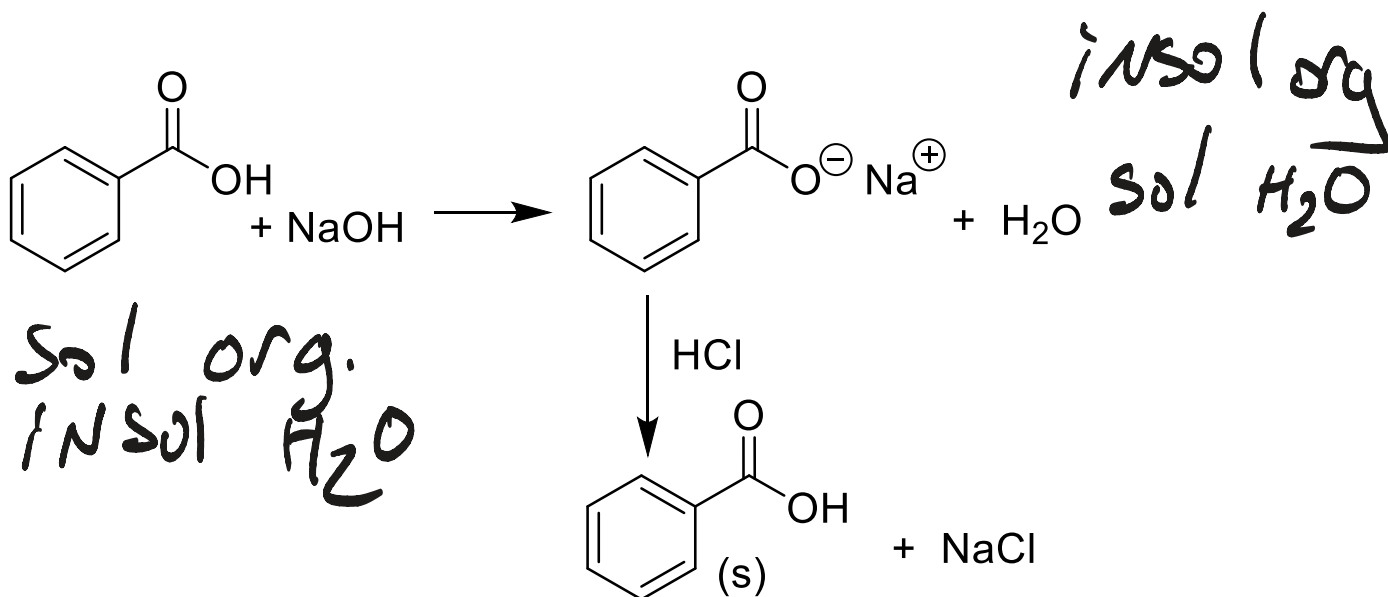
220c

9/17/26

L/S L/L S_o S_x

1. S_o & S_x immiscible
2. S_x can not irreversible react compound
3. S_x specific
4. S_x easily removed

1. ~~temp~~ 2. pH 3. ~~pressure~~
4. ionic strength Volume



N/B

1:1

0.2g

10 mL Ethyl Acetate (EA)

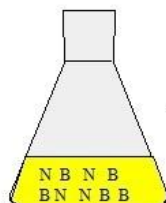
1 x 10 mL HCl

20 mL NaOH (ice) HCl (ice)

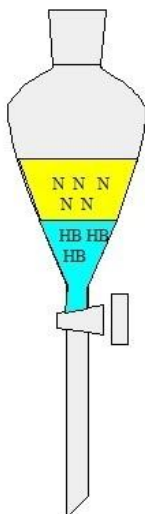
Key
B = Unknown Base
N = Unknown Neutral
HB = Conjugate Acid

Organic Phase

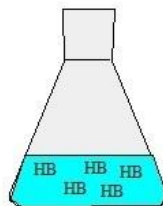
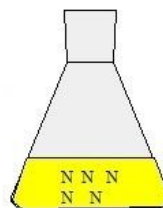
Aqueous Phase



Extract with HCl

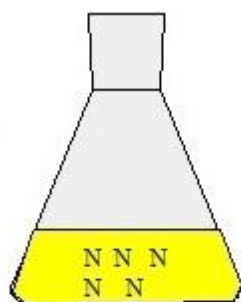


Separate Phases

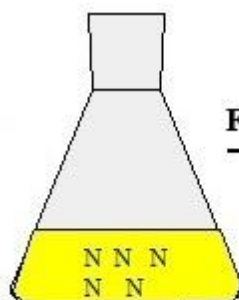


x2
EA
(N)

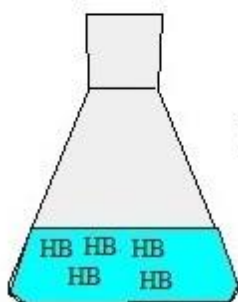
HCl
(B)
x2



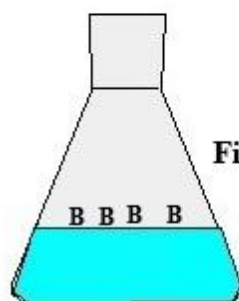
Dry with Sodium Sulfate



Filter with glass funnel



Neutralize with NaOH

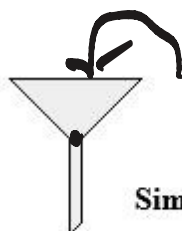


Filter with Buchner Funnel

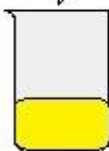


pH paper

Decant



Simple Distillation

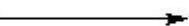


N(s)

precipitated

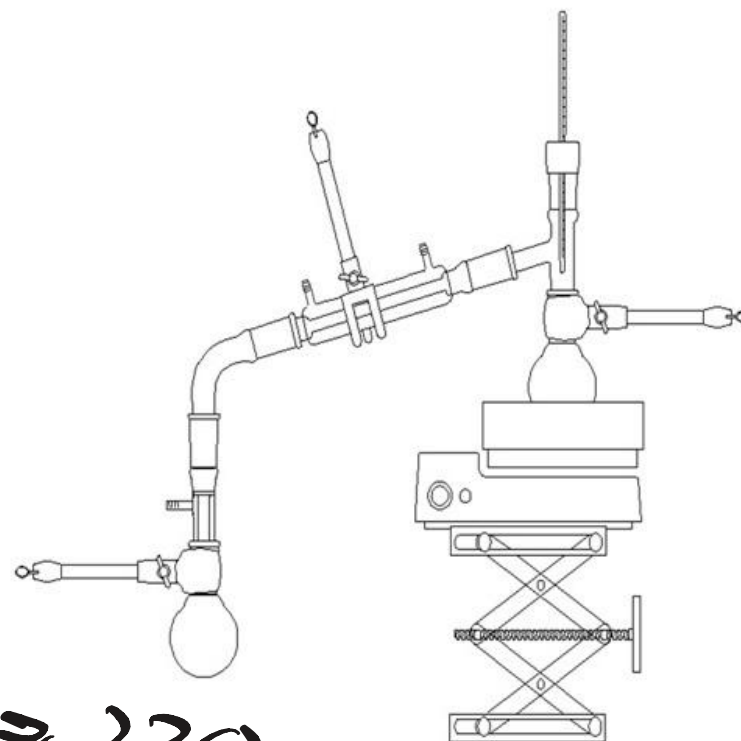
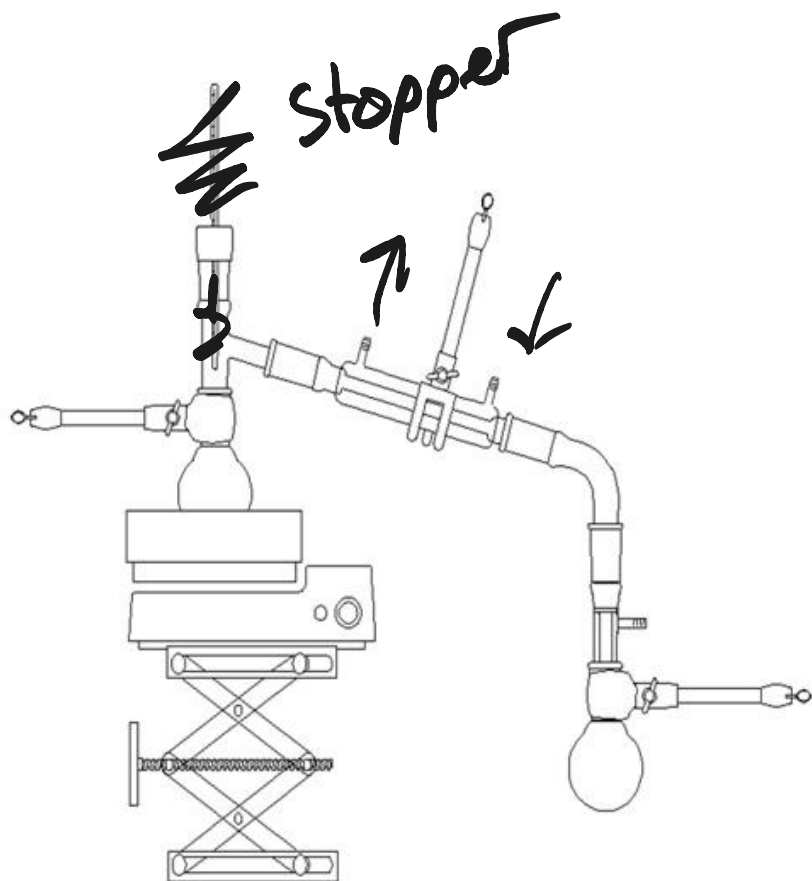


Isolate Solid



B(s)

50 mL rb 1 inch
stirrer



200 ~ 230
4~5

