Know how to extract acid/base/neutrals (solid or liquid)

- recrystallization: a lot of product, small impurities
detailed separation schemes
- don't forget last step: measure mass + bp/mp

Start with adding organic solvent:

- organic solvent:
  - carb + phenol + amine
  - neutral +

only react w/ strong acid

Add NaHCO₃↓ Add NaOH↓ (weak base)
to two acids↓ to one acid

Phenol + amine + neutral

neutral + carb

[separate layers]

[phenol + amine + neutral]

Add HCl↓ liquid:

[distillation] mass +

Add NaOH↓

amine + neutral

Phenol +

filter or distill

Mass/bp/mp

amine + neutral

Add HCl

R↓

amine +

aq

warm w/ water

Dry w/ Na₂O₄↓

elaborate solvent

bp

add drop of water to test aqueous layer!