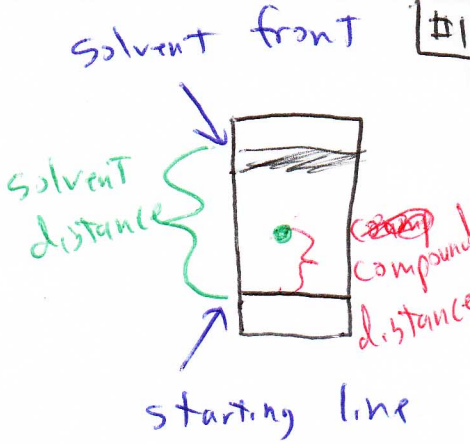
10/25/11 Lab #2 due 11/1/11

#1

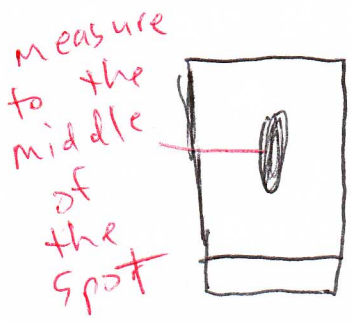
Data

- solvent distance (s) (for each plate)
- compound distances for each reference compound
- unknown distance(s)
- color

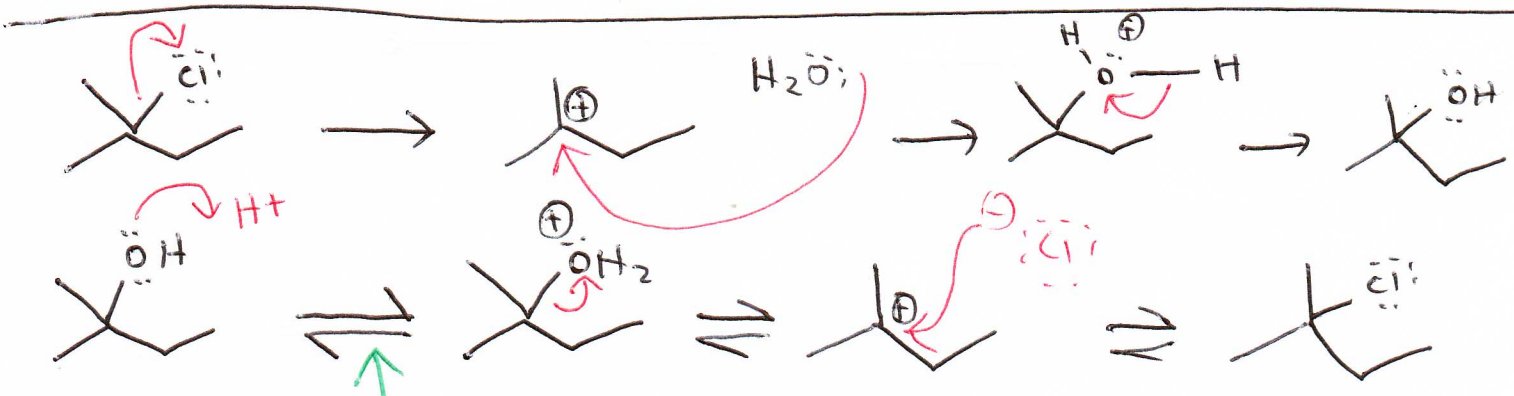


Calculations

$$R_f = \frac{\text{compound distance}}{\text{solvent distance}}$$



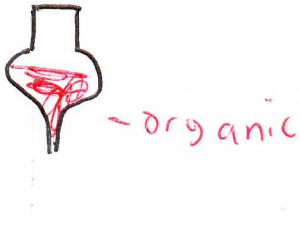
Conclusion

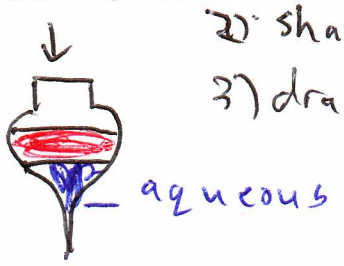


⟷ resonance

Wash

1) add wash
2) shake & vent
3) drain & dispose of aqueous layer





1) NaCl - Used to increase the polarity of the aqueous layer and separate it from the organic
2) $NaHCO_3$ - used to remove residual acid
3) H_2O - to remove water-soluble impurities
4) NaCl -