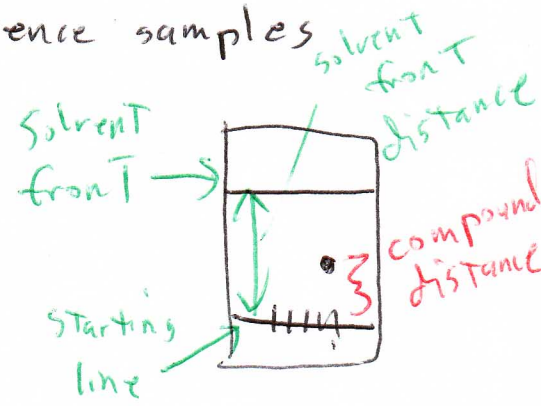
10/24/11

Lab #2 – Due 10/31/11

Data

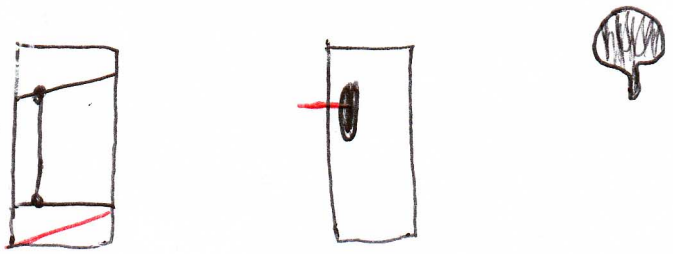
- Solvent front distance (for each plate)
- Compound distances for reference samples
- Unknown distance(s)
- color

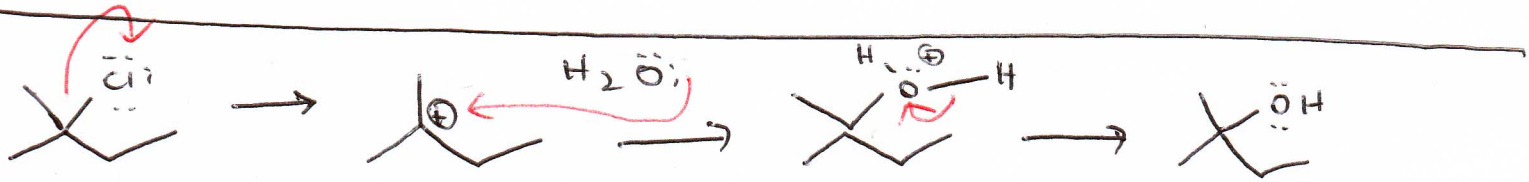


Calculations

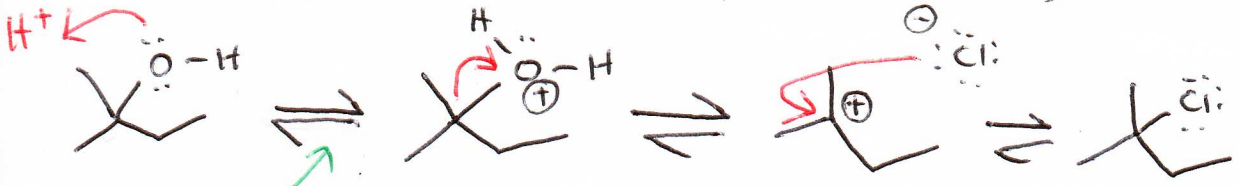
$$R_f = \frac{\text{compound distance}}{\text{solvent front distance}}$$

Conclusion





Reaction of 3° alcohols w/ HCl (conc)



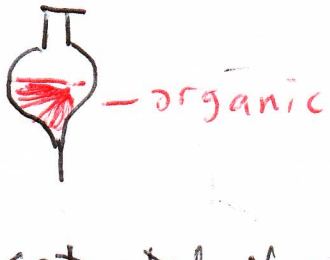
reversible rxn

neat – without solvent

used for resonance structures

Wash

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



1) saturated NaCl – used to increase polarity of water layer
2) $NaHCO_3$ – used to remove excess acid
3) H_2O – one last chance to remove aqueous impurities