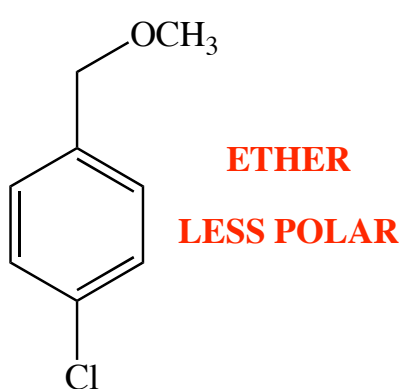
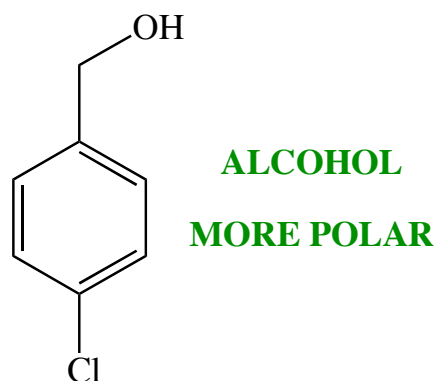
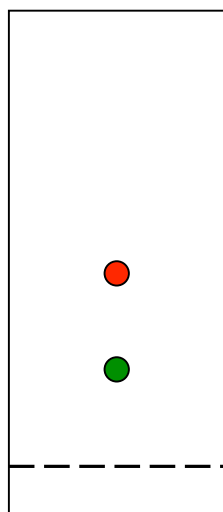


EFFECT OF POLARITY OF DEVELOPMENT SOLVENT ON R_f

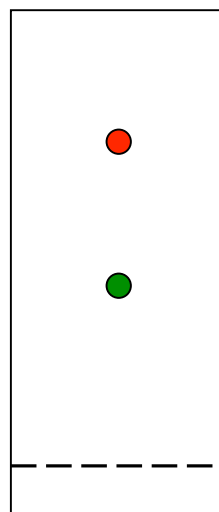
ASSUME A MIXTURE OF TWO COMPOUNDS, ONE MORE POLAR THAN THE OTHER, E. G., AN **ALCOHOL** AND AN **ETHER**. RUN TLC ONCE IN LESS POLAR SOLVENT (TOLUENE) AND ONCE IN MORE POLAR SOLVENT (METHANOL).



IN TOLUENE



IN METHANOL



IN BOTH CASES THE **LESS POLAR COMPOUND** HAS A LARGER R_f (MOVES FURTHER) THAN THE **MORE POLAR COMPOUND**. IN THE MORE POLAR SOLVENT BOTH MOVE FURTHER.