

SILICA GEL AND SOLVENT COMPETE FOR SPOT

WHICH DOMINATES DEPENDS UPON:

- POLARITY OF SILICA GEL
(CONSTANT AND HIGH)**
 - POLARITY OF DEVELOPMENT SOLVENT
(CAN BE VARIED BY USING
DIFFERENT SOLVENTS)**
 - POLARITY OF COMPOUNDS IN SPOT
(VARIES DEPENDING UPON
COMPOUNDS BEING SEPARATED)**
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**IN PRACTICE, FOR A GIVEN SET OF
COMPOUNDS TO BE SEPARATED, A SOLVENT
OF CORRECT POLARITY IS CHOSEN BY TRIAL
AND ERROR TO GIVE THE BEST MOVEMENT
(SEPARATION) OF SPOTS.**