

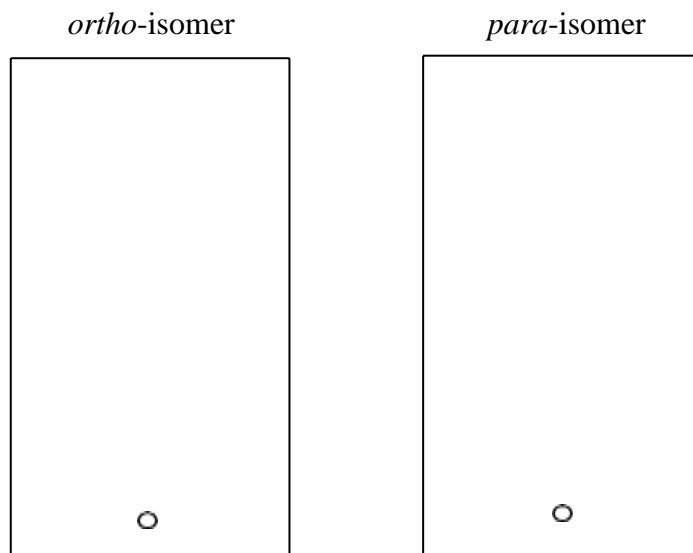
EXPERIMENT 6
CHROMATOGRAPHY
Report Sheet

Group number		Section no:	
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➤ **OBJECTIVES:**

➤ **TLC EXAMINATION OF ISOMERIC NITROANILINES:**

Represent your observations (showing the distance for the solvent and the samples):



Find the retardation factor for the *ortho*-isomer and *para*-isomer (show your detailed calculations):

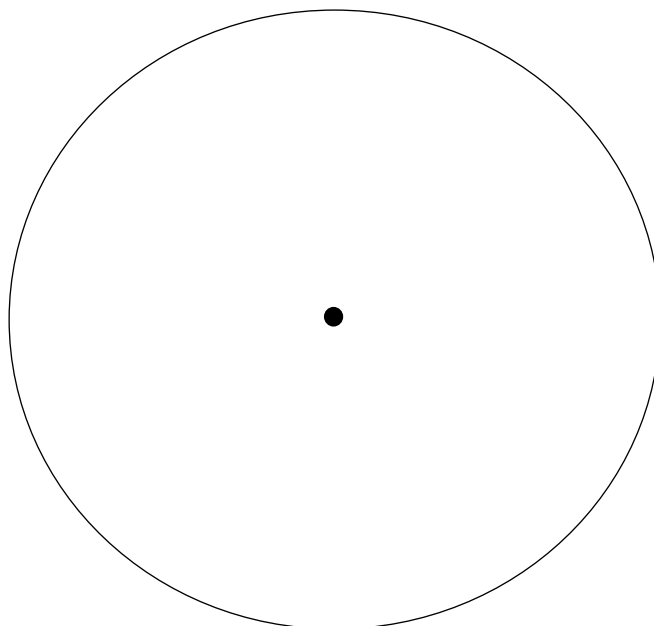
R_f (ortho) =

R_f (para) =

Which compound is more strongly adsorbed on silica, *ortho*- or *para*-nitroaniline?

➤ PAPER CHROMATOGRAPHIC ANALYSIS OF A DYE:

Represent your observations (showing the distance for the solvent, the yellow and blue sample):



Find the retardation factor for the blue and yellow dye (show your detailed calculations):

R_f (the yellow dye) =

R_f (the blue dye) =

Which dye would be more soluble in n-propyl alcohol, the blue or the yellow?
How can you tell?