Chemistry 11 Lab Marking Rubric – *Chromatography* **Name: _____**

Lab Report Component	Mastery	High Achievement	Basic Achievement	Non- Achvmt	Student Evaluation	Teacher Evaluation (score/ notes)
Headings	A descriptive lab title is clearly present at the beginning of the lab report and all subsequent subheadings are present and properly formatted. Name and date are in the upper right hand corner of the report **(1)**		There are error(s) in the title and subheadings, or name is not present. **(0.5)**	A lab title &/or subheadings are missing from the lab report **(0)**		
Objectives, Materials, Procedure	The objective(s), materials, and procedure are stated accurately **(1)**		The objective(s), and/or materials, and/or procedure are stated but are not accurate **(0.5)**	The objective, materials, or procedure is not included in lab report **(0)**		
Data & Observations	Data is complete **with proper significant figures** and is presented in titled, neat tables. All proper units are included. **(3)**	Data is complete but may not be presented in a neat manner, or is missing some proper units, or has one or two calc, sig fig errors, or tables are not titled. **(2)**	Data is incomplete (missing measurements, observations, or given information**,** many improper calcs, sig figs, no units) **(1)**	Data is not present in the lab report **(0)**		
Sample Calculations	A sample of the Rf calculation is correctly presented in a neat, orderly fashion with formulas and units present. Sig. Figs. are correct. **(2)**	A sample of all calculations is present but: - includes minor errors, or -is not presented in a neat, orderly fashion, or -is missing formulas or units, or -sig. figs. are not correct. **(1)**	Some sample calculations are missing from the lab report or There are some major errors in the calculations **(0.5)**	The calculations are in complete error or are missing from the report. **(0)**		
Questions	All questions are answered in complete sentences, showing correct calculations as needed with accurate units and sig figs**. Answers use lab results to support statements.** Answers are complete, cohesive, and concise, and supported by results **(6)**	Some questions not answered in complete sentences or not answered adequately or correctly, some work not shown, some sig figs and/or units incorrect. Answers aren't always supported by lab results. **(5 / 4)**	Complete sentences not used, no work shown, may inadequate or incorrect answers, major sig fig errors in many questions, no connection between lab results and answers **(3 / 2 / 1)**	Question answers not present **(0)**		
Conclusion	The pertinent objectives are restated and answered and/or commented upon relating to the results of the experiment. Location in write-up referenced **(2)**	Objectives are not restated, or answers and/or comments are not quite complete, location in write-up not referenced, or incorrectly **(1)**	Major errors in conclusion such as an attempt that does not address the pertinent objectives **(0.5)**	No Conclusion. **(0)**		
Appendix	Subheading present, strip is labeled with title and solute and solvent measurements. Neatly done. **(1)**		Errors in Appendix or messy. **(0.5)**	No Appendix **(0)**		
Overall Neatness	Clear and neat, spaced out appropriately **(1)**		Ruler not used throughout, scribbles, whiteout used, messy printing, very small font, scrunched info. **(0.5)**	Difficult to Decipher / no ruler **(0)**		
TOTAL	----------	----------	----------	----------	**/17**	**/17**