

Chromatography Rubric

Name: _____

Name of Team: _____ /5 On Time: _____ /15

CATEGORY	25	20	15	8	Student Score	Points Total
Overall Behavior						25
Day 1 - Deliverable Completed for 1.) Black 2.) Brown 3.) Purple 4.) Blue 5.) Yellow	Report illustrates an accurate and thorough understanding of scientific concepts underlying the lab.	Report illustrates an accurate understanding of most scientific concepts underlying the lab.	Report illustrates a limited understanding of scientific concepts underlying the lab.	Report illustrates inaccurate understanding of scientific concepts underlying the lab.		Score x 2 50
Student shows work and calculations for Rf for all of the colors above	Report illustrates an accurate and thorough understanding of scientific concepts underlying the lab.	Report illustrates an accurate understanding of most scientific concepts underlying the lab.	Report illustrates a limited understanding of scientific concepts underlying the lab.	Report illustrates inaccurate understanding of scientific concepts underlying the lab.		
Liquid Chromatography Every student team should have 10 samples of Black ink that they have ran through - Number of components - Height of water - Pigment height - Rf Value	Report illustrates an accurate and thorough understanding of scientific concepts underlying the lab.	Report illustrates an accurate understanding of most scientific concepts underlying the lab.	Report illustrates a limited understanding of scientific concepts underlying the lab.	Report illustrates inaccurate understanding of scientific concepts underlying the lab.		
Development of a Liquid Chromo Reference Chart 1.) Graph clearly labeled 2.) Numbers 3.) Rf Value	The purpose of the lab or the question to be answered during the lab is clearly identified and stated.	The purpose of the lab or the question to be answered during the lab is identified, but is stated in a somewhat unclear manner.	The purpose of the lab or the question to be answered during the lab is partially identified, and is stated in a somewhat unclear manner.	The purpose of the lab or the question to be answered during the lab is erroneous or irrelevant.		
Unknown - Based on the previous reference sheet students should be able to isolate physical proof of which sample was used - complete 3 unknowns	Report illustrates an accurate and thorough understanding of scientific concepts underlying the lab.	Report illustrates an accurate understanding of most scientific concepts underlying the lab.	Report illustrates a limited understanding of scientific concepts underlying the lab.	Report illustrates inaccurate understanding of scientific concepts underlying the lab.		