

Bio 111 Pre-Lab for Lab #02: Name _____ Chromatography TA & Sect. _____

1) The lab manual describes using “extreme cases” to see if particular a particular property is relevant to a molecule’s R_f . Possible features include, but are not limited to: size, hydrogen bonding capability, charge, hydrophobicity, structure, etc.

a) Give the names of two dye molecules from the lab manual (pages Chromatography-13 thru -19) that are “extreme cases” – that is, they are very different in some particular property. (1 pt)

Dye 1 _____

Dye 2 _____

b) Which property of these two molecules differs significantly between them? (3 pts)

2) Watch the “pre-lab video” for this lab on the On-Line-Lab Manual and, in your own words, give your two main ‘takeaways’ from the video. Since different people will have different ‘take home messages’, we are not looking for any specific responses. So, as long as it is clear that you gave it some serious thought, we will grade your answers generously. (5 pts)

3) On the back of this sheet, give 3 to 5 short (~1 sentence each) bullet points describing, *in your own words*, what you will be doing in the lab today. There are a wide range of full-credit answers here; we will grade this as a 1-point check off.

