Density Column Performance Assessment

Your task is to create a density column with three to four liquids. You will develop your own procedure, determine which data you need to collect, which calculations you need to do, and perform your experiment. You are NOT allowed to do trial and error!

Sections required for your lab notebook:

Header
Title
Brainstorming
Procedure
Data
Calculations
Column order
Conclusion

Step 1—Brainstorming

Take a few minutes to jot down your ideas. What do you need to know? What data will you need to gather? Write down as much as you can. I am not going to grade this. I do want to see what you are thinking by yourself and how your ideas change when you meet with your lab partner.

Step 2—Purpose and Procedure

With your lab partner, develop your procedure. If your procedure changes while you are collecting your data, add to your corrections/changes!

Step 3—Data, Calculations, and Column order

Perform your experiment. Record your data in a data table. Perform your calculations. Include ALL steps and show ALL work! Write down your order in this section. If you need to make any adjustments to your procedure, write that down in the procedure section. Your column order is not a paragraph, just list which order you will be adding your liquids to your test tube.

Step 4—Create your column

Create your density column based on the order you determined earlier. Show me.

Step 5—Conclusion

Was your order correct? What could <u>you</u> have done better? How would you change this assessment for next year? Include everything required in your lab notebook handout for a conclusion paragraph.