

2. Once you are confident with your ability to work as a group, perform the experiment with all three of your liquids, three times each.
 - a. Repeat steps “a” through “g” three times.
 - b. When performing step “g,” you may need to rinse the graduated cylinder with water. If so, you will need to dry it before proceeding.
 - c. After the third trial, wash the funnel, graduated cylinder, and measuring spoon with soapy water.
 - d. Rinse these items to remove the soap.
 - e. Dry these items thoroughly.
3. Record your results on the class data sheet.

Note: Consider the following safety precaution:

- Water spilled on the floor can be very slippery, please be careful to clean up any messes you make.

Discussion:

Complete the following, individually, to submit this work.

1. The class data file will be shared with you. Make a copy of this file.
2. Rename the file, adding a dash and your name at the end.
3. In column N of your copy of the data file, code the spreadsheet to calculate the average time for each of the fluids.
4. In column O of your copy of the data file, code the spreadsheet to calculate the flow rate of each of the fluids, in ml/s.
5. Highlight cells A3:A8 and O3:O8 and use this data to create a bar graph of the results.
 - To highlight multiple sections, start by highlighting one of them, then hold the “control” button on your keyboard and highlight the next section.
6. Move this graph such that the top left corner is aligned with cell Q1.
7. Edit the graph to include the proper features of a graph.
 - *Note: The Google Cloud spreadsheet program does not allow you to control all aspects of the graph; you will not be able to edit some things. I am aware of these limitations.*
8. Answer the questions that have been typed out on the spreadsheet, in the spaces provided.
9. Submit the file through the cloud.

If you are not familiar with the use of a spreadsheet program you will need to start this assignment early, as you may run into difficulties. I am available to help show you how to get around these issues. However, you will need to **do so before it is due.**

Due date: _____