**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_**

**Comparing IMFs**

You and your partner will design an experiment that will allow you to compare the IMFs present in two different liquids. The liquids that you use will be given to you by your teacher and the equipment that will be available is included on the list below. Any equipment not on the list below must be approved by your teacher.

**Your lab report will include the following components and will be assessed according to the EDR:**

* Problem statement
* Hypothesis
* Design that includes: materials, safety guidelines, step by step procedure, and a labeled diagram
* Data table(s)
* Calculations
* Graph that compares the two liquids
* Conclusion (just the conclusion portion of the EDR, omit the evaluation)

\*\*\**Everything must be computer generated except calculations.*

**Available materials / equipment:**

5 mL of each liquid

10 mL graduated cylinder

Watch glass

Glass plate

Well plate

Hot plate

Dropper pipets

20 mL beaker

Aluminum foil

**Planning:**

Liquids to be compared: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ideas for method:

Independent variable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Dependent variable: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_