

DATE:

NAME:

CLASS:

TOPIC 4 Unit 1

Investigation 1-F

SCIENCE INQUIRY

Determining Flow Rate

Mr. Wessner

Question:

Hypothesis: (predict the relative(qualitative measure) flow rates of the substances tested

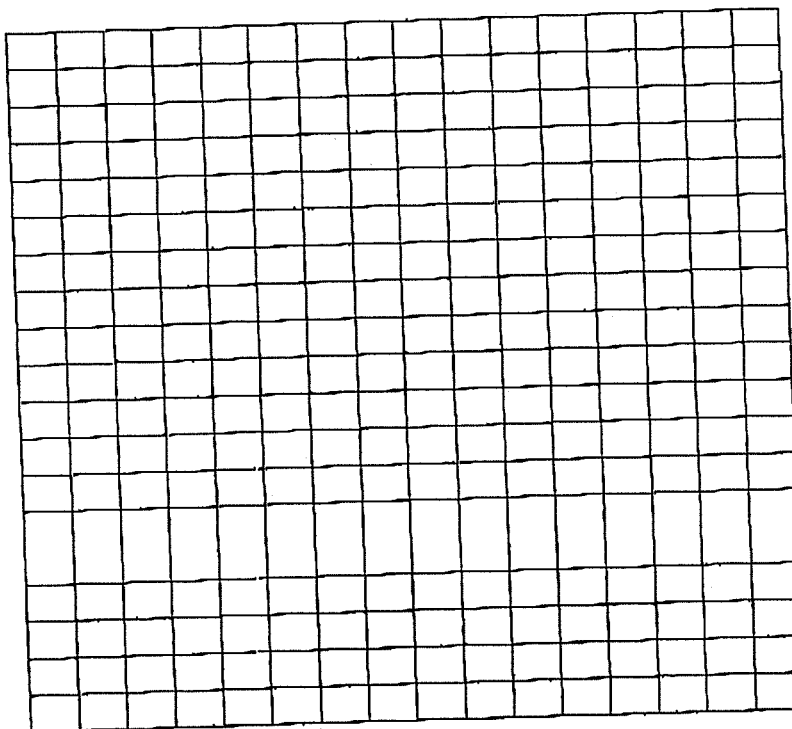
What to Do

Follow the steps in your textbook, and complete the information below.

1. Record the temperature of the room. _____
2. Record your flow rate data in the table below.

| Liquid | Time (s) | Average flow rate (cm/s) | Ranked average flow rate | Ranked viscosity average | Trial 1 | Trial 2 | Trial 3 |
|--------|----------|--------------------------|--------------------------|--------------------------|---------|---------|---------|
| | | | | | | | |
| | | | | | | | |
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3. Use your class data to plot a bar graph on the grid below. Give your graph a title.



4. Consider the results you plotted on your graph. Based on your graph, do you think that viscosity affects flow rate? _____

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