



Grade 8 Science

Unit 3: Fluids



Viscosity Review

Today will be a silent, individual work period. You will start by working on a series of questions to review viscosity. Once that is complete you may transition into other individual work.

If you are in need of assistance with any of the questions, please come see me, so that you can use this time efficiently.

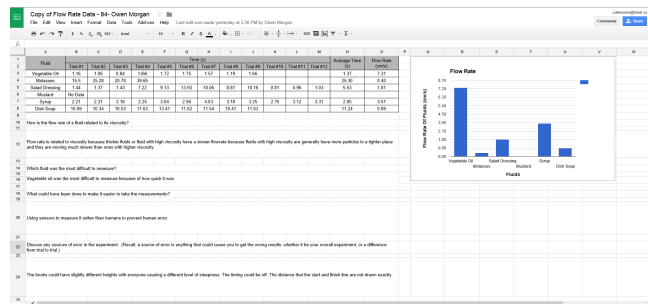
Viscosity Review

1. Define the term "fluid".
2. Use the particle theory to explain why liquid and gaseous fluids, but not solids are.
3. Give some characteristics of liquid and solid that are the same. What are some characteristics that are different?
4. Explain how liquid and gases are similar. How are they different?
5. Describe how to measure viscosity.
6. Explain how to measure the flow rate of a liquid.
7. Show some relations in which measuring and comparing viscosity are important.
8. Show some jobs in which understanding the viscosity of substances.
9. Summarize the main factors that affect the viscosity of liquid and gases.
10. Use the particle theory to explain how such factors affect viscosity.
11. Explain why the effect of temperature on the viscosity of gases differs from the effect of temperature on the viscosity of liquids.

Viscosity Review

The answers to these questions will be posted online. Your homework for tonight is to review your work, comparing it to the answers, so that you may ensure you have the correct knowledge moving forward in this unit. Be sure to alter your answers if they are not correct or incomplete.

Your Flow Rate experiment is due: _____



Attachments

3-5 Viscosity Questions.pdf