



Physics: Viscosity and Surface Tension of Fluids

Paper citation: Wei R, Chen J, Huizinga JD (2014). On the Relationship Between Viscosity and Surface Tension. J Emerging Investigators 33: 1-5

Paper questions

In reading through the assigned paper, please answer the following questions:

1. What is the question being investigated by the researchers?
2. How do the authors define surface tension? How do they define viscosity?
3. What was the authors' hypothesis?
4. Describe the authors' experimental approach.
5. How did the authors validate their experimental set-up?
6. How did the authors create fluids with different viscosities?
7. What were the results of the authors' experiments, and what is their interpretation?
8. How do the authors attempt to explain their surprising results?
9. What are some shortcomings of this paper?
10. Propose two follow-up experiments that could be performed given the data presented in this paper.