

# Viscosity Review

1. Define the term “fluid.”
2. Use the particle theory to explain why liquids and gases are fluids, but solids are not.
3. Give some characteristics of liquids and solids that are the same. What are some characteristics that are different?
4. Explain how liquids and gases are similar. How are they different?
5. Describe how to measure viscosity.
6. Explain how to determine the flow rate of a liquid.
7. Name some industries in which measuring and controlling viscosity are important.
8. Name some jobs in which workers regulate the viscosity of substances.
9. Summarize the main factors that affect the viscosity of liquids and gases.
10. Use the particle theory to explain how each factor affects viscosity.
11. Explain why the effect of temperature on the viscosity of gases differs from the effect of temperature on the viscosity of liquids.