

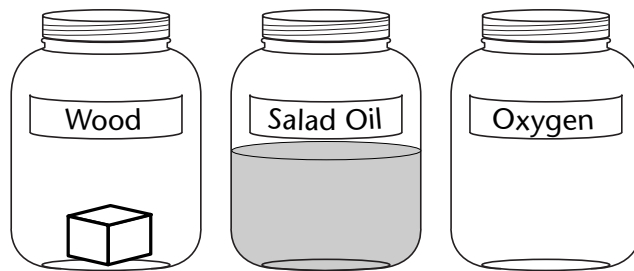
Solids, Liquids, and Gases ▪ 3.1 Review and Reinforce

States of Matter

Understanding Main Ideas

Use the diagram to answer Questions 1 through 3. Write your answers on a separate sheet of paper.

1. Identify the physical state of the substances pictured below.
2. What would happen to the shape of each substance if the jars were broken? Use the differences in the physical state of the substances to explain your answer.
3. Would the volume of each substance change if each were moved into a larger container? Explain.



Building Vocabulary

Match each term with its definition by writing the letter of the correct definition on the line next to the term.

- | | |
|----------------------------|---|
| _____ 4. solid | a. a form of matter without a definite shape or volume |
| _____ 5. liquid | b. the result of an inward pull among the molecules of a liquid that brings surface molecules closer together |
| _____ 6. gas | c. the resistance of a liquid to flowing |
| _____ 7. viscosity | d. a solid in which the particles are arranged in a regular, repeating pattern |
| _____ 8. amorphous solid | e. a form of matter that has a definite volume and a definite shape |
| _____ 9. crystalline solid | f. a substance that flows |
| _____ 10. fluid | g. a form of matter that has a definite volume but no shape of its own |
| _____ 11. surface tension | h. a solid in which the particles are not arranged in any definite pattern |

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