

Name \_\_\_\_\_ Date \_\_\_\_\_ Class \_\_\_\_\_

## Solids, Liquids, and Gases ▪ Guided Reading and Study

### Changes Between Liquid and Gas

5. The change from a liquid to a gas is called \_\_\_\_\_.

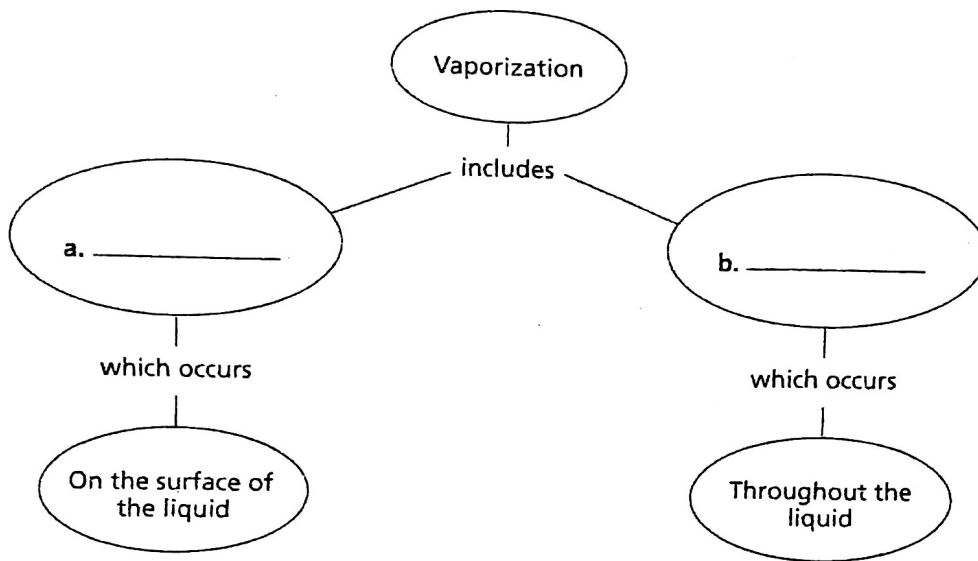
6. When does vaporization take place?

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7. Complete the concept map.



8. A pure substance boils only at a certain temperature, which is called its \_\_\_\_\_.

9. Why is the boiling point of water lower on top of a mountain than it is at sea level?

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**Changes of State**

10. Is the following sentence true or false? Condensation is the opposite of vaporization. \_\_\_\_\_
11. When condensation occurs, does a gas lose or gain thermal energy?

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*Match the term with its example.*

Term	Example
____ 12. vaporization	a. A pot of water on a stove reaches its boiling point.
____ 13. evaporation	b. Liquid water changes into water vapor.
____ 14. boiling	c. Clouds form from water vapor in the sky.
____ 15. condensation	d. A puddle dries up after a rain shower.

**Changes Between Solid and Gas**

16. During \_\_\_\_\_, particles of a solid do not pass through the liquid state as they form a gas.
17. Give an example of sublimation.

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