

## Changing State – Evaporation

Objective: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Key Concepts:

- \_\_\_\_\_ occurs when molecules in a liquid \_\_\_\_\_ that they \_\_\_\_\_ from other molecules and \_\_\_\_\_ to become a gas.
- \_\_\_\_\_ the rate of evaporation.
- To conduct a valid experiment, variables need to be \_\_\_\_\_.

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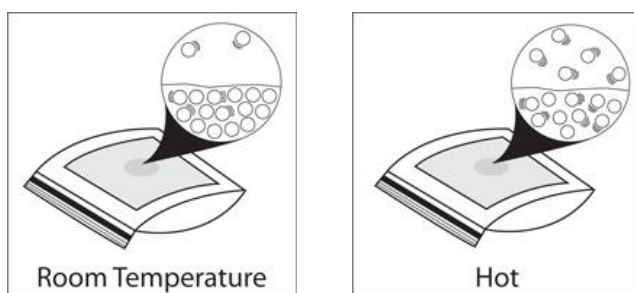
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## Changing State – Evaporation: Processing

Use the pictures below to compare the number of motion lines and the spacing of the water molecules in the water on each paper towel.




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Using the same pictures above, explain why the hot water results in more evaporation compared to the room temperature water. Make mention the motion lines in your explanation.

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<ul style="list-style-type: none"> <li>• Draw the shape of a water molecule.</li> <li>• Label the oxygen and hydrogen atoms.</li> </ul>	<ul style="list-style-type: none"> <li>• Draw how water molecules move in a liquid.</li> <li>• Describe the molecules motion.</li> </ul>	<ul style="list-style-type: none"> <li>• Draw how water molecules move in a gas.</li> <li>• Describe the molecules motion.</li> </ul>