



Clouds

Inquiry Warm-Up, *How Does Fog Form?*

In the Inquiry Warm-Up, you investigated how fog forms. Using what you learned from that activity, answer the questions below.

1. **CONTROL VARIABLES** If, instead of an ice cube, you had placed a hot stone over the mouth of the bottle holding hot water, do you think the results of the experiment would have been different? Explain.

2. **CONTROL VARIABLES** If, instead of hot tap water, you had poured boiling water into the bottom of the bottle, do you think the results of the experiment would have been different? Explain.

3. **OBSERVE** What happened to the fog that formed inside the bottle?

4. **APPLY CONCEPTS** Describe what happened inside the bottle of hot water in terms of the water cycle.
