

Quick Lab

Cloud Formation

MATERIALS

- bottle opener
- glass jar with metal lid
- 1 mL of hot water
- ice cube

SAFETY**PROCEDURE**

1. Use a bottle opener to puncture one or two holes into the metal lid of a glass jar.
2. Pour 1 mL of hot water into the jar.
3. Place an ice cube over the holes in the lid of the jar. Make sure that the holes are completely covered.
4. Observe the changes that occur within the jar.

ANALYSIS

1. Draw a diagram of the jar. Label the areas of the diagram where evaporation and condensation take place. Also, label areas where latent heat is released and absorbed.

2. Explain why latent heat was released and absorbed in the areas you labeled on your diagram.
