

## Questions about Changes in Matter

1. A piece of ice is melted to liquid water. How would the mass of the water compare with the mass of the ice?
  - a. The water would weigh less than the ice.
  - b. The water would weigh the same as the ice.
  - c. The water would weigh more than the ice.

Explain your answer below.

2. When water boils, bubbles rise to the surface of the water. What do you think is inside the bubbles?
  - a. Air
  - b. Oxygen
  - c. Water vapor
  - d. Something else. What?

Explain how heating makes the bubbles in boiling water.

After all the water has boiled away, where do you think it is, and in what form?

3. You and a friend are sitting in a car on a cold winter day. You talk for awhile, then you notice that the windows have fogged up.
  - a. What do you think the fog is?
  - b. Do you think the fog is inside or outside of the window?
  - c. How do you think the fog formed?