

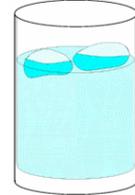
## Thinking About Conservation of Mass

1. You pour yourself a cup of water, and put two ice cubes in it. You walk away. When you come back, the ice cubes are much smaller.

What lost mass?

Where did the mass go?

How do you know?



2. We measure the mass of a match. Then we light the match and let it burn.

What lost mass?

Where did the mass go?

How do you know?



3. You leave a nail out on your patio all through the winter. When you find it again, it is rusty.

What lost mass?

Where did the mass go?

How do you know?



4. I set my very cold Diet Coke on the counter and went to do a chore. When I came back, it had water droplets on the outside.

What lost mass?

Where did the mass go?

How do you know?

