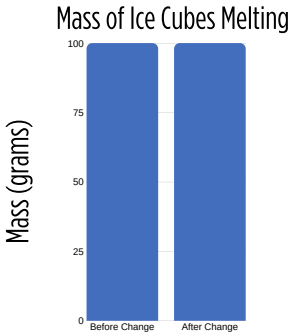
Name: _____

Content Check

Read and answer the questions below.

1. **Look at the graph below. Write a summary sentence describing the change in matter of the ice.**



2. Martin weighs his newspaper on Sunday morning and determines it's mass is 20 grams. After the newspaper has sat in the hot sun all day, what can Martin expect his newspaper to weigh Sunday night? Why?

3. Kevin is concerned about his lab results. The weight of the water is the same as the weight of the ice. How can this be?

Step 1: Record mass of water (4 grams).
Step 2: Freeze water for 3.5 hrs in freezer and set at 3 degrees Fahrenheit.
Step 3: Remove ice and weigh.
Step 4: Record mass of ice (4 grams).

Content Check
Teacher Key

1. **Look at the graph below. Write a summary sentence describing the change in matter of the ice.**

Answers will vary. The matter does not change between the water and ice, or the ice melting to water. The mass remains the same, through all heating and cooling processes.

2.Martin weighs his newspaper on Sunday morning and determine it's mass is 20grams. After the newspaper has sat in the hot sun all day, what can Martin expect his newspaper to weigh Sunday night? Why?

Martin can expect his newspaper to still weigh 20 grams. Even though the newspaper has been heated, it's mass will not change.

3. Kevin is concerned about his lab results. The weight of the water is the same as the weight of the ice. How can this be?

The mass of the water is the same in all of states. Even if the water is frozen, it's mass will remain the same.