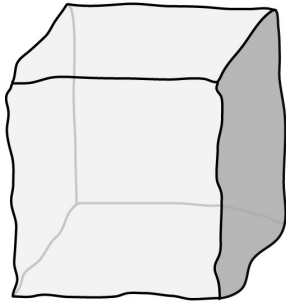


CISD Grade 3 Science Unit 02

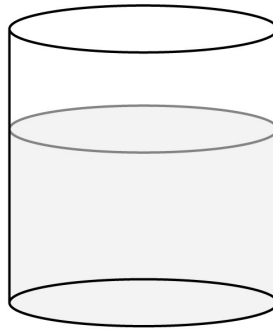
Some questions (c) 2012 by CSCOPE.

- 1** Water in the gas state can be cooled into a liquid by which of the following?
- A** freezing
 - B** melting
 - C** boiling
 - D** condensation
- 2** Which of the following samples of matter is in a liquid state?
- F** a frozen popsicle
 - G** ink in a fountain pen
 - H** frozen orange juice
 - J** a sugar cube
- 3** In the morning, Paul left a shallow bowl of water on the window ledge in his kitchen. He had meant to give the water to his cat. It was a bright, sunny day. When he came back at the end of the day, most of the water was gone. Where did the energy come from to cause the change?
- A** the stove
 - B** heat energy from the sun
 - C** heat energy stored in the bowl
 - D** a hole in the bottom of the bowl
- 4** When working with hot liquids, which safety procedure should you use?
- F** wear goggles
 - G** smell the liquids
 - H** pull on the electrical cord
 - J** taste the liquids
- 5** What can you tell about water in the summer?
- A** Heat has no effect on water.
 - B** Heat causes water to freeze.
 - C** Heat evaporates water.



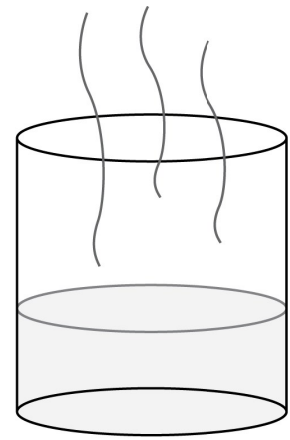
Ice

A



Liquid water

B



Steam

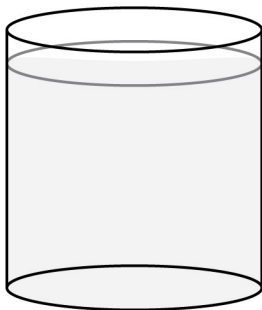
C

-
- 6** What type of energy must be added to move water from ice to steam?
- F** magnetic
 - G** heat
 - H** cooling
 - J** freezing
- 7** How would you represent the process of melting using the pictures above?
- A** from A to B
 - B** from B to A
 - C** from B to C
 - D** from C to B

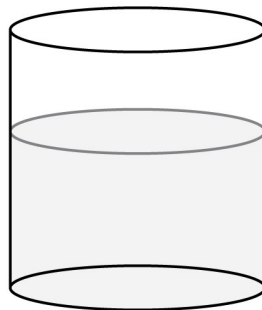
Use the information below to answer the following two questions.

Students wanted to investigate why lawns need more water in the summer when temperatures are the highest. Students placed a bowl of water in a window for a week to observe the effects of heat on water. The chart below shows the number of days and the amount of water.

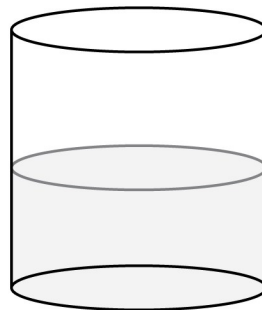
Days	Amount of Water
1	100 mL
2	75 mL
3	50 mL
4	25 mL



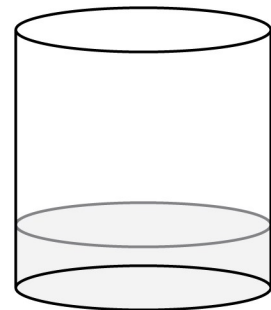
100 mL



75 mL

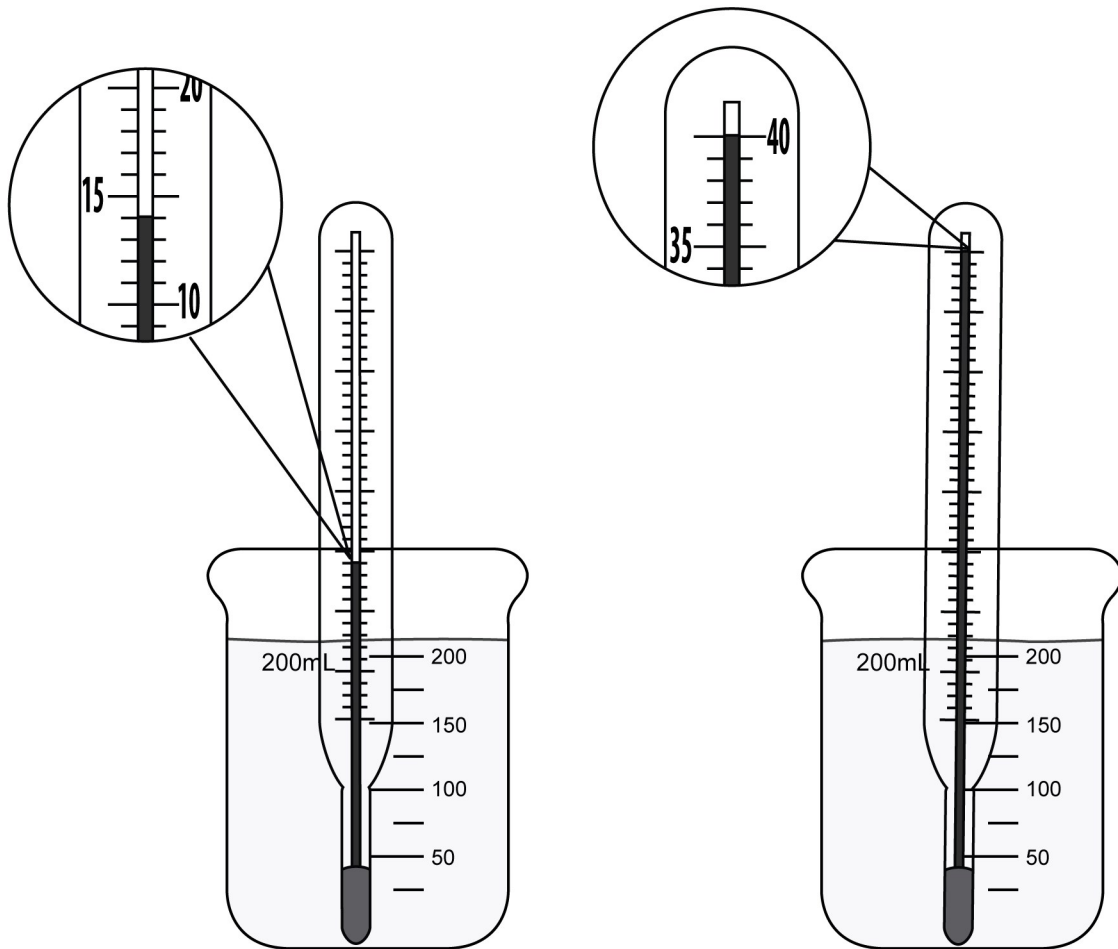


50 mL



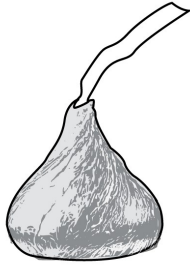
25 mL

- 9 Use the chart about the amount of water. What was the total amount of water left in the bowl on the 4th day?
- A 0 mL
 - B 25 mL
 - C 50 mL
 - D 100 mL
- 10 If you looked at the water on Day 5, what might you see?
- F more water
 - G less water
 - H the same amount of water



How much did the water increase in temperature from the first picture to the second picture?

- A** 15 °C
- B** 26 °C
- C** 40 °C
- D** 60 °C



Maria used a stopwatch to record how long it took for certain food items to melt in the 102°F summer heat.

-
- 12** Which item took the longest to melt?
- F** Hershey's Kiss
 - G** stick of butter
 - H** Yummy Good Ice Cream
- 13** About how long did it take the Hershey's Kiss to melt?
- A** 1 second
 - B** 10 seconds
 - C** 1 minute