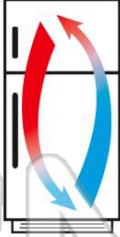




Name _____ Class _____ Date _____

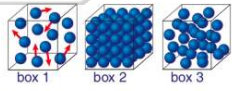
1 To keep food fresh, a **refrigerator** _____ the food stored in it.

A adds coldness to
B takes heat away from
C makes ice to cool
D takes moisture away from



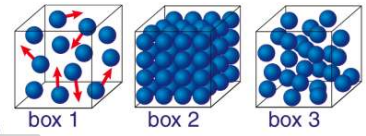
3 In the diagram below, the particles in **box 1** are **moving around** more and are more **scattered** than in the other boxes. What is the explanation for this?

A these particles are at a higher temperature



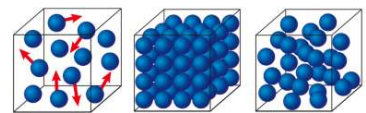
2 Using the diagram below, predict the **state of matter** of the particles in **box 1**.

A solid
B liquid
C gas
D porous



4 Using the diagram below, predict which box or boxes would have the **lowest temperature** inside of it.

A 1
B 2
C 3



5



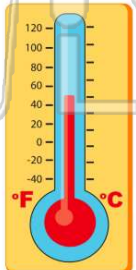
PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

9 Use the formula to **convert** the Fahrenheit temperature to the temperature on the Celsius scale.

$$^{\circ}\text{C} = \frac{5}{9} \times (^{\circ}\text{F} - 32)$$

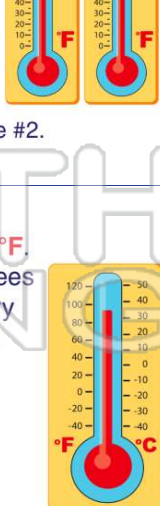
A 5°C **C** 15°C
B 10°C **D** 20°C



10 This thermometer reads **95°F**. How much of a rise in degrees **Celsius** would be necessary to reach the temperature at which water boils?

$$^{\circ}\text{C} = \frac{5}{9} \times (^{\circ}\text{F} - 32)$$

A 100°C **C** 65°C
B 212°C **D** 137°C

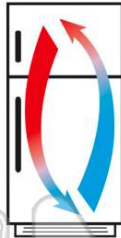




ANSWER KEY

To keep food fresh, a **refrigerator** _____ the food stored in it.

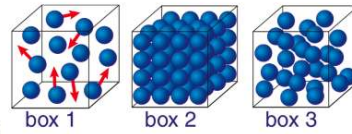
- A adds coldness to
- B takes heat away from
- C makes ice to cool
- D takes moisture away from



(b)

Using the diagram below, predict the **state of matter** of the particles in **box 1**.

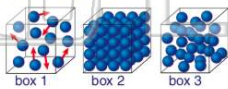
- A solid
- B liquid
- C gas
- D porous



(c)

In the diagram below, the particles in **box 1** are **moving around** more and are more **scattered** than in the other boxes. What is the explanation for this?

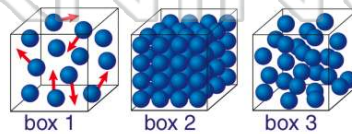
- A these particles are at a higher temperature
- B these particles are at a lower temperature
- C these particles are in a frozen state
- D



(a)

Using the diagram below, predict which box or boxes would have the **lowest temperature** inside of it.

- A 1
- B 2
- C 3
- D all the



(b)



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

D photosynthesis



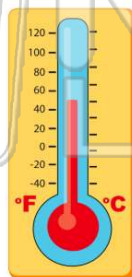
- more in tube #2.
- C There is less air in tube #2.
- D There is less friction in tube #2.



Use the formula to **convert** the Fahrenheit temperature to the temperature on the Celsius scale.

$$^{\circ}\text{C} = \frac{5}{9} \times (^{\circ}\text{F} - 32)$$

- A 5°C
- B 10°C
- C 15°C
- D 20°C

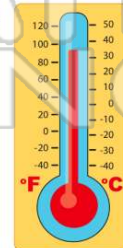


(b)

This thermometer reads **95°F**. How much of a rise in degrees **Celsius** would be necessary to reach the temperature at which water boils?

$$^{\circ}\text{C} = \frac{5}{9} \times (^{\circ}\text{F} - 32)$$

- A 100°C
- B 212°C
- C 65°C
- D 137°C



(c)