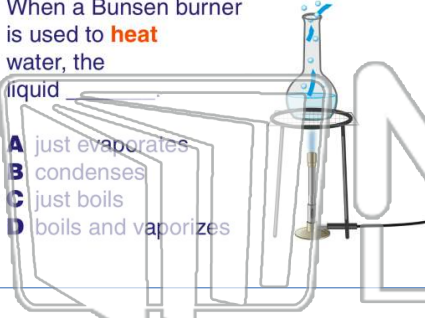




Name _____ Class _____ Date _____


1 When a Bunsen burner is used to **heat** water, the liquid _____

A just evaporates
B condenses
C just boils
D boils and vaporizes



2 When ice cream **melts**, the particles of ice cream have _____.

A more volume
B less volume
C more mass
D less mass



3 **Solid** carbon dioxide sublimates directly into a **vapor**. This property is useful when _____.

4 Using the **data table** shown below, estimate the pressure of the gas if the volume was 225 mL.

Volume (mL)	Pressure (kPa)
100	100
150	150
200	200

5

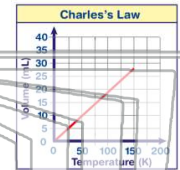


PREVIEW

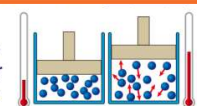
Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7 when the temperature is **75° Kelvin**?

A 5 mL
B 15 mL
C 30 mL
D 75 mL

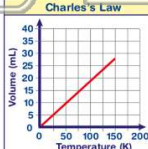


A the gas molecules get closer together
B the gas molecules get further away from each other
C the gas molecules do not change their position
D each molecule of gas gets bigger




9 Using the graph below, estimate the **volume** of the gas if the temperature of the gas was raised to **175 K**.

A between 40 mL and 45 mL
B between 25 mL and 30 mL
C between 30 mL and 35 mL
D between 150 mL and 200 mL



10 A hot air balloon **rises** from the ground because the **hot air** inside the balloon _____.

A cannot push the cool air out of the balloon
B traps the cool air near the top of the balloon
C is more dense than the air outside of the balloon
D is less dense than the air outside of the balloon

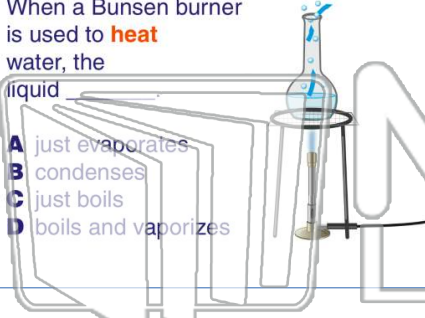




Name _____ Class _____ Date _____


1 When a Bunsen burner is used to **heat** water, the liquid _____

A just evaporates
B condenses
C just boils
D boils and vaporizes



2 When ice cream **melts**, the particles of ice cream have _____.

A more volume
B less volume
C more mass
D less mass



3 **Solid** carbon dioxide sublimates directly into a **vapor**. This property is useful when _____.

4 Using the **data table** shown below, estimate the pressure of the gas if the volume was **225 mL**.

Volume (mL)	Pressure (kPa)
100	100
150	150
200	200
250	250
300	300

5

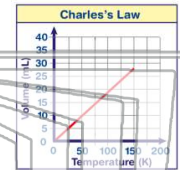


PREVIEW

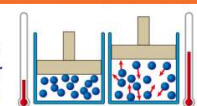
Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7 when the temperature is **75° Kelvin**?

A 5 mL
B 15 mL
C 30 mL
D 75 mL

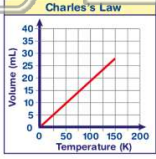


A the gas molecules get closer together
B the gas molecules get further away from each other
C the gas molecules do not change their position
D each molecule of gas gets bigger



9 Using the graph below, estimate the **volume** of the gas if the temperature of the gas was raised to **175 K**.

A between 40 mL and 45 mL
B between 25 mL and 30 mL
C between 30 mL and 35 mL
D between 150 mL and 200 mL



10 A hot air balloon **rises** from the ground because the **hot air** inside the balloon _____.

A cannot push the cool air out of the balloon
B traps the cool air near the top of the balloon
C is more dense than the air outside of the balloon
D is less dense than the air outside of the balloon

