

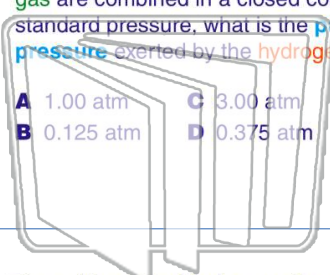


Name _____ Class _____ Date _____

1

If 4.00 moles of oxygen gas, 3.00 moles of hydrogen gas, and 1.00 mole of nitrogen gas are combined in a closed container at standard pressure, what is the partial pressure exerted by the hydrogen gas?

- A 1.00 atm C 3.00 atm
B 0.125 atm D 0.375 atm



2

Which statement correctly describes a sample of gas confined in a sealed container?

- A It always has a definite volume, and it takes the shape of the container.
B It takes the shape and the volume of any container in which it is confined.
C It has a crystalline structure.
D It consists of particles arranged in a regular geometric pattern.

3

The solid and liquid phases of water can exist in a state of equilibrium at 1 atmosphere of pressure and a

4

As the pressure on the surface of a liquid decreases, the temperature at which the liquid will boil

5



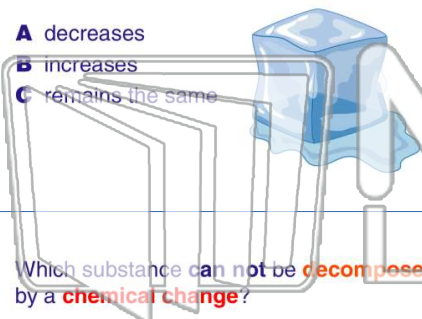
PREVIEW

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

7

completely melted. Its potential energy

- A decreases
B increases
C remains the same



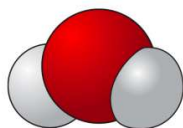
- A boiling of water
B condensing of water vapor
C subliming of iodine
D melting of ice



9

Which substance can not be decomposed by a chemical change?

- A Ne
B N₂O
C HF
D H₂O



10

A real gas behaves more like an ideal gas when the gas molecules are

- A close and have strong attractive forces
B close and have weak attractive forces between them
C far apart and have strong attractive forces between them
D far apart and have weak attractive forces between them

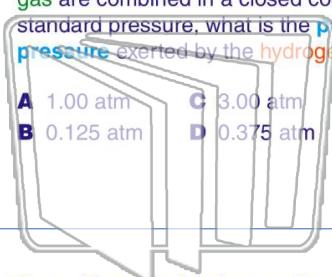


Name _____ Class _____ Date _____

1

If 4.00 moles of oxygen gas, 3.00 moles of hydrogen gas, and 1.00 mole of nitrogen gas are combined in a closed container at standard pressure, what is the partial pressure exerted by the hydrogen gas?

- A 1.00 atm C 3.00 atm
B 0.125 atm D 0.375 atm



2

Which statement correctly describes a sample of gas confined in a sealed container?

- A It always has a definite volume, and it takes the shape of the container.
B It takes the shape and the volume of any container in which it is confined.
C It has a crystalline structure.
D It consists of particles arranged in a regular geometric pattern.

B

3

The solid and liquid phases of water can exist in a state of equilibrium at 1 atmosphere of pressure and a

4

As the pressure on the surface of a liquid decreases, the temperature at which the liquid will boil

A

5



PREVIEW

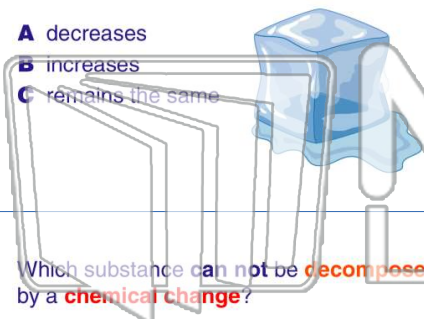
Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

D

7

completely melted. Its potential energy

- A decreases
B increases
C remains the same



B

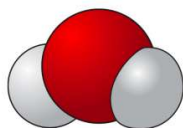
- A boiling of water
B condensing of water vapor
C subliming of iodine
D melting of ice

B

9

Which substance can not be decomposed by a chemical change?

- A Ne
B N₂O
C HF
D H₂O



A

10

A real gas behaves more like an ideal gas when the gas molecules are

- A close and have strong attractive forces between them
B close and have weak attractive forces between them
C far apart and have strong attractive forces between them
D far apart and have weak attractive forces between them

D