VIRGINIA CHEMISTRY · UNIT 4 · 5 QUESTIONS

Gases, Thermodynamics, and Equilibrium — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A stainless steel pressure cooker sits on a gas stove burner. Gas pressure is caused by gas particles**



A colliding with the walls of the container

B bonding to the container

C freezing in place

D dissolving in the container

Understand It with Pulse | Flag a mistake

2 **A gas at 200 kPa occupies 3 L. At the same temperature, at 100 kPa, its volume, in liters, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A temperature of 25 degrees Celsius is equal to**

A 273 K

B 298 K

C 250 K

D 325 K

Understand It with Pulse | Flag a mistake

4 **A gas occupies 4 L at 273 K. At constant pressure, at 546 K, its volume, in liters, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Gas particles diffuse faster at higher temperature because they have**

A less energy

B more mass

C more kinetic energy

D fewer collisions

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. 6
3. B
4. 8
5. C

© 2026 Brett Robbins. All Rights Reserved.