QUEBEC CHEMISTRY, SECONDARY V · UNIT A · 5 QUESTIONS

Gases — Practice Test

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1 **A stainless steel pressure cooker on a gas stove burner. A gas at pressure 150 kilopascals occupies 4 litres. At constant temperature its pressure is changed to 300 kilopascals. Its new volume, in litres, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **A gas occupies 250 millilitres at 250 kelvin. At constant pressure its temperature is changed to 500 kelvin. Its new volume, in millilitres, is**

ANSWER

Understand It with Pulse | Flag a mistake

3 **Dalton law of partial pressures states that the total pressure of a gas mixture equals the**

A product of the partial pressures

B sum of the partial pressures

C difference of the partial pressures

D average of the masses

Understand It with Pulse | Flag a mistake

4 **Diffusion of gases at higher temperature happens because particles move**

A slower

B faster

C in circles

D not at all

Understand It with Pulse | Flag a mistake

5 **Gay Lussac law relates the pressure of a gas to its absolute temperature at constant**

A mass

B colour

C volume

D speed

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 2
2. 500
3. B
4. B
5. C

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