

A Level • OCR • Physics

🕒 1 min ❓ 1 question

Multiple Choice Questions

Ideal Gases

The Avogadro Constant / Ideal Gas Equation / Gas Laws

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Total Marks /1

- 1 The volume of one mole of an ideal gas is V . The gas exerts pressure p and has thermodynamic temperature T .

Which of the following has the units $\text{J mol}^{-1} \text{K}^{-1}$?

A. pV

B. $\frac{p}{T}$

C. $\frac{V}{T}$

D. $\frac{pV}{T}$

(1 mark)