

9 What is the approximate number of atoms in a cubic metre of an ideal monatomic gas at the temperature of $27\text{ }^{\circ}\text{C}$ and a pressure of $1 \times 10^5\text{ Pa}$?

A 1×10^{22}

B 6×10^{23}

C 2×10^{25}

D 3×10^{26}