

Molecular Kinetic Theory

Question Paper

Level	Pre U
Subject	Physics
Exam Board	Cambridge International Examinations
Topic	Molecular Kinetic Theory
Booklet	Question Paper

Time Allowed: 2 minutes

Score: /1

Percentage: /100

Grade Boundaries:

- 1 A sample of oxygen is at a temperature of 57°C . The average mass of an oxygen molecule is $5.36 \times 10^{-26} \text{ kg}$.

What is the root mean square speed of the molecules in this sample?

- A** 121 ms^{-1}
- B** 210 ms^{-1}
- C** 291 ms^{-1}
- D** 505 ms^{-1}