

1.6 Momentum (Extended Candidates Only)

Question Paper

Level	IGCSE
Subject	Physics (0625)
Exam Board	Cambridge International Examinations (CIE)
Topic	General Physics
Sub-Topic	1.6 Momentum (Extended Candidates Only)
Booklet	Question Paper

Time Allowed: 5 minutes

Score: /3

Percentage: /100

Grade Boundaries:

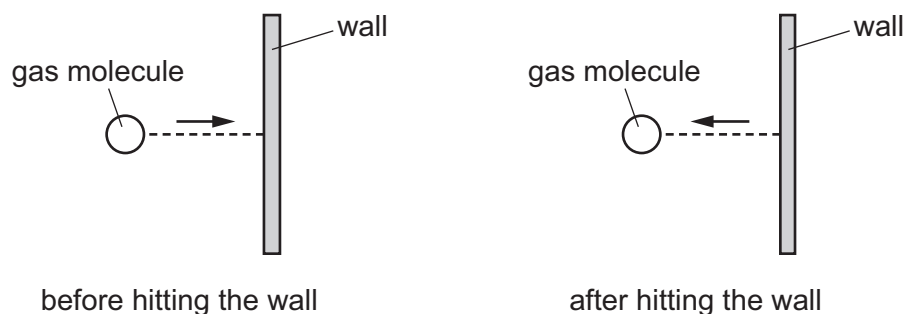
A*	A	B	C	D	E	U
>85%	75%	60%	45%	35%	25%	<25%

- 1 An object of mass 50 kg accelerates from a velocity of 2.0 m/s to a velocity of 10 m/s in the same direction.

What is the impulse provided to cause this acceleration?

- A** 250 N s **B** 400 N s **C** 850 N s **D** 2500 N s

- 2 A gas molecule strikes the wall of a container. The molecule rebounds with the same speed.



What happens to the kinetic energy and what happens to the momentum of the molecule?

	kinetic energy	momentum
A	changes	changes
B	changes	stays the same
C	stays the same	changes
D	stays the same	stays the same

- 3 Which quantity is measured in newton seconds (Ns)?

- A** impulse
B moment
C power
D work done