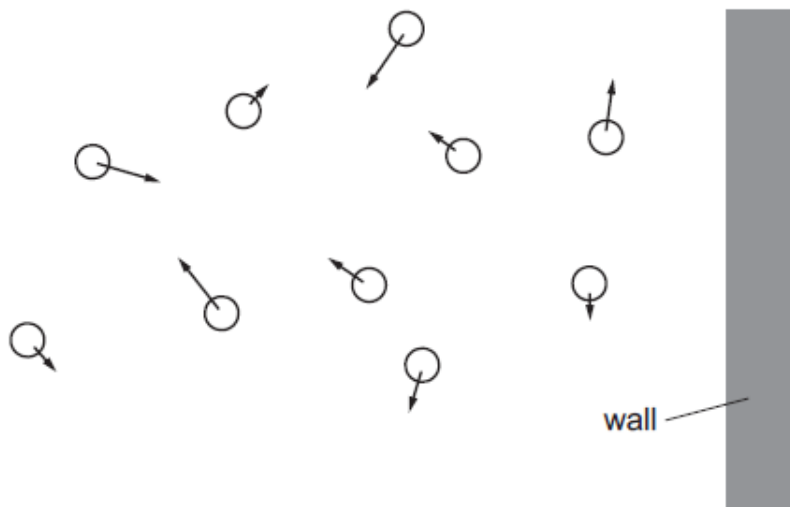


GCSE Physics B (Twenty First Century Science)
J259/04 Depth in physics (Higher Tier)

Question Set 6

- 1 This diagram shows air molecules in a small volume of the atmosphere near to a wall. The arrows show the velocity of each molecule.



- (a) Explain, using ideas of momentum and force, how air molecules exert pressure on the wall. [3]
- (b) As you go further from the Earth's surface, the atmospheric pressure gets smaller.

Explain this in terms of the movement of the molecules at different heights. [3]

Total Marks for Question Set 6: 6

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