

**18** Which statement about molecules in a gas is correct?

- A** In Brownian motion experiments, the molecules can be seen moving randomly in all directions.
- B** The pressure exerted by a gas is caused by molecules bouncing against each other and changing kinetic energy.
- C** The pressure exerted by a gas is caused by molecules rebounding from the walls of a container and changing momentum.
- D** When the average speed of the molecules in a closed container increases, the density must also increase.

**19** The diagram shows the atoms of a substance with the atoms at the corners of a cube. The