

- 20** A mass of gas enclosed in a cylinder by a piston is heated gently. At the same time, the piston is moved so that the pressure remains constant.

As a result of this, what will **not** occur?

- A** The average velocity of the molecules will increase.
- B** The mean separation of the molecules will increase.
- C** The molecules will travel greater distances between collisions.
- D** The number of collisions per second of the molecules on the piston will increase.

**Space for working**