

- 11 A football is inflated in a warm room and then taken outside where the temperature is much lower. The pressure and temperature inside the ball both decrease. The volume of the ball is unchanged.

Which row explains the decrease in pressure in terms of the movement of air particles?

	kinetic energy of air particles	frequency of collisions between air particles and inside surface of ball
A	decreased	decreased
B	decreased	unchanged
C	unchanged	decreased
D	unchanged	unchanged