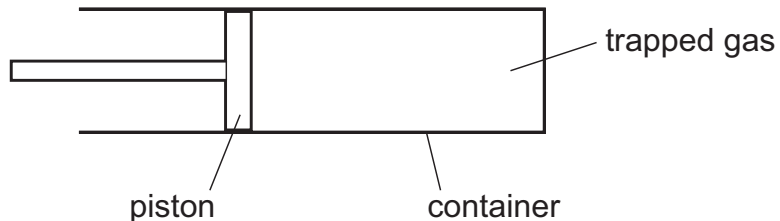


10 Gas of volume  $200 \text{ cm}^3$  is trapped inside a container by a piston.

The piston is pushed to the right and the volume of the gas decreases to  $100 \text{ cm}^3$ .

The temperature of the gas remains constant.



Which row states the effect that this has on the kinetic energy of the gas particles and the force per unit area exerted by the particles colliding with the inside walls of the container?

	kinetic energy	force per unit area
<b>A</b>	doubles	doubles
<b>B</b>	doubles	stays the same
<b>C</b>	stays the same	doubles
<b>D</b>	stays the same	stays the same