

- 11** A fixed mass of an ideal gas is at a pressure of 1.0×10^5 Pa. It has a temperature of 300 K and a volume of 0.010 m³.

What is the total kinetic energy of the gas molecules after the volume is changed to 0.0050 m³ at constant temperature?

- A** 500 J
- B** 1000 J
- C** 1500 J
- D** 2000 J