

- 14** A balloon contains 2.0 moles of helium gas at a temperature of 27 °C. The molar mass of helium is 4.0 g mol⁻¹.

What is the average translational kinetic energy of the helium atoms in the balloon?

- A** 5.6×10^{-22} J **B** 6.2×10^{-21} J **C** 30 J **D** 7500 J