

- 11** A container filled with an ideal gas is at a temperature of 80°C . The root-mean-square (r.m.s.) speed of the gas molecules is 350 m s^{-1} .

The temperature of the gas is increased to 160°C .

What is now the r.m.s. speed of the gas molecules?

- A** 390 m s^{-1} **B** 430 m s^{-1} **C** 490 m s^{-1} **D** 700 m s^{-1}

