

- 14** The r.m.s. speed of the molecules of a gas at 295 K is decreased by 20 %.

What is the new temperature of the gas?

- A** $-84.4\text{ }^{\circ}\text{C}$ **B** $-37.2\text{ }^{\circ}\text{C}$ **C** $189\text{ }^{\circ}\text{C}$ **D** $236\text{ }^{\circ}\text{C}$