

- 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**  $236\text{ }^{\circ}\text{C}$