

- 11** The density of air is 1.20 kg m^{-3} at a temperature of 20°C and atmospheric pressure.

Assuming that the air behaves as an ideal gas, what is the density of air at a temperature of 27°C and atmospheric pressure?

- A** 0.89 kg m^{-3} **B** 1.17 kg m^{-3} **C** 1.23 kg m^{-3} **D** 1.62 kg m^{-3}