

**13** The density of air is  $1.20 \text{ kg m}^{-3}$  at a temperature of  $20^\circ\text{C}$  and standard atmospheric pressure.

What is the density of air at a temperature of  $27^\circ\text{C}$  and standard atmospheric pressure?

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

