

- 2** The speed v of sound in a gas is given by the equation

$$v = \sqrt{\frac{\gamma P}{\rho}}$$

where P is the pressure of the gas, ρ is its density and γ is a constant.

What are the SI base units of γ ?

- A** m^{-1}s **B** m^3s^{-3} **C** $\text{m}^{-4}\text{s}^{-4}$ **D** no units

- 3** The motion of an object moving from rest with a constant acceleration a may be represented by