

- 13** An ideal gas has a volume of  $3.7 \text{ m}^3$  and contains  $1.5 \text{ kg}$  of neon-20 atoms. Its temperature is  $25^\circ\text{C}$ .

What is the pressure of the gas?

- A**  $4.2 \text{ Pa}$                       **B**  $50 \text{ Pa}$                       **C**  $4.2 \text{ kPa}$                       **D**  $50 \text{ kPa}$

- 14** Which of the following is not a unit of energy?