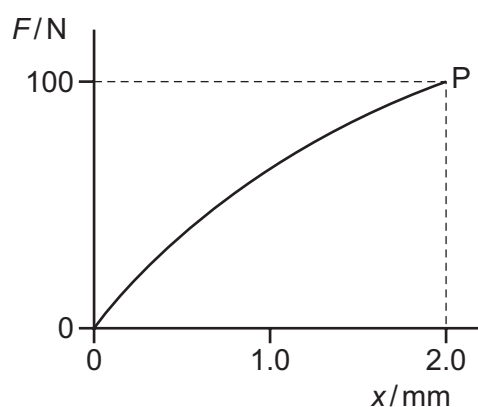


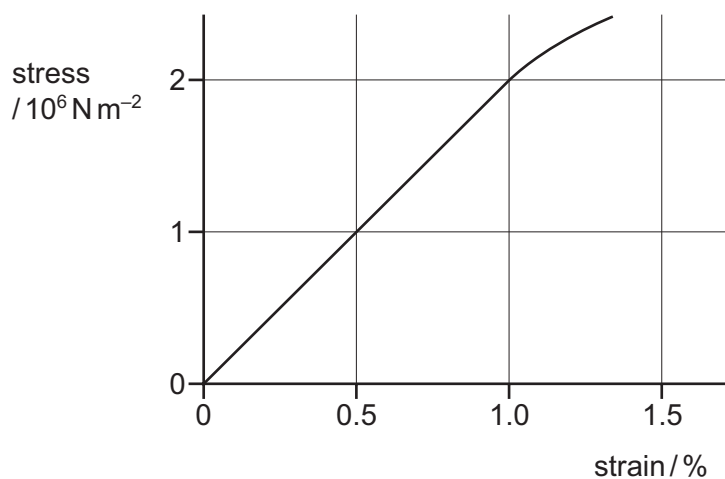
- 23** The graph shows the non-linear force-extension curve for a wire made from a new composite material.



What could be the value of the strain energy stored in the wire when it is stretched elastically to point P?

- A** 0.09 J **B** 0.10 J **C** 0.11 J **D** 0.20 J

- 24** The diagram shows the stress-strain graph for bone.



What is the Young modulus of bone?

- A** $1 \times 10^6 \text{ N m}^{-2}$
B $2 \times 10^6 \text{ N m}^{-2}$
C $1 \times 10^8 \text{ N m}^{-2}$
D $2 \times 10^8 \text{ N m}^{-2}$