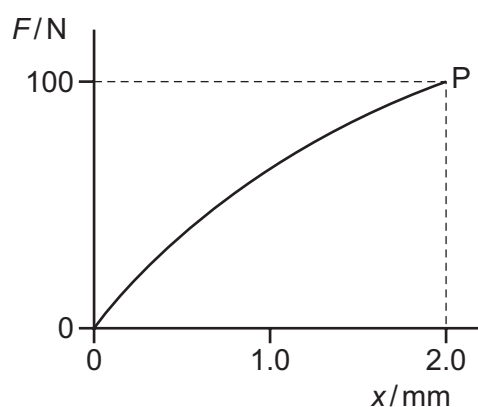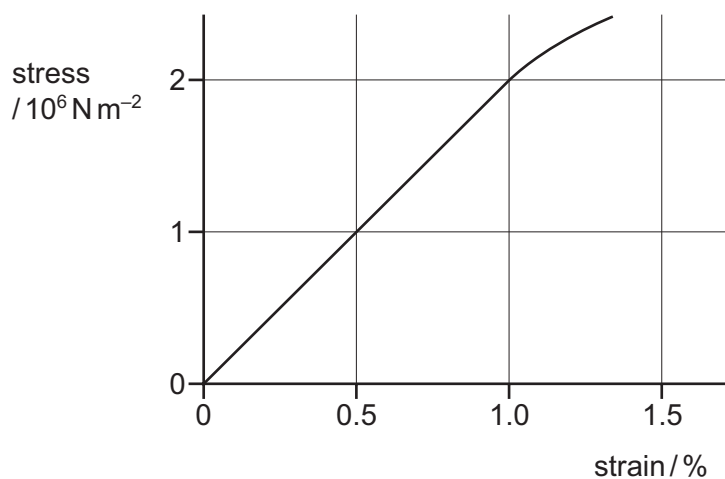23 The graph shows the non-linear force-extension curve for a wire made from a new composite material.

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 $1 \times 10^6\,\mathrm{N\,m^{-2}}$

B $2 \times 10^6\,\mathrm{N\,m^{-2}}$

C $1 \times 10^8\,\mathrm{N\,m^{-2}}$

D $2 \times 10^8\,\mathrm{N\,m^{-2}}$