

- 18** A copper wire of diameter 1.6 mm is stretched within its limit of proportionality by a tensile force of 430 N.

The Young modulus of copper is 130 GPa.

What is the strain in the wire?

A 4.1×10^{-4}

B 1.3×10^{-3}

C 1.6×10^{-3}

D 5.2×10^{-3}