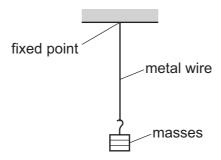
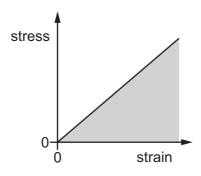
**22** A length of metal wire is attached to a fixed point and hangs vertically. Masses are then suspended from the wire. Assume that the cross-sectional area of the wire remains constant.



A stress–strain graph for the wire is plotted, as shown.



What is represented by the shaded area under the graph?

- A strain energy in the wire
- B strain energy in the wire cross-sectional area of the wire
- c strain energy in the wire original length of the wire
- D strain energy in the wire original volume of the wire
- **23** The table contains descriptions and examples of waves.

Which row is correct?

	description of wave	example
Α	oscillations are parallel to the direction of energy transfer	gamma-rays
В	oscillations are parallel to the direction of energy transfer	ultraviolet waves
С	oscillations are perpendicular to the direction of energy transfer	sound waves
D	oscillations are perpendicular to the direction of energy transfer	X-rays