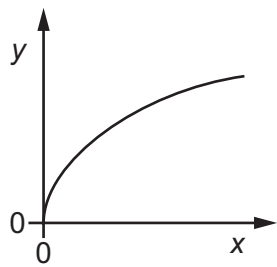


21 A wire is extended by different forces. The wire obeys Hooke’s law.

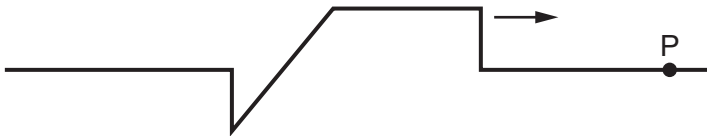
A graph is plotted to show the variation of a quantity  $y$  with a quantity  $x$ .



What could  $x$  and  $y$  represent?

	$x$	$y$
A	elastic potential energy	extension
B	extension	force
C	force	extension
D	extension	elastic potential energy

22 A wave pulse moves along a stretched rope in the direction shown.



Which diagram shows the variation with time  $t$  of the displacement  $s$  of the particle P in the rope?

