

- 21** A spring is stretched over a range within which elastic deformation occurs. Its spring constant is 3.0 N cm^{-1} .

Which row, for the stated applied force, gives the correct extension and strain energy?

	force /N	extension /cm	strain energy /mJ
A	3.0	1.0	1.5
B	6.0	2.0	120
C	12.0	3.0	180
D	24.0	8.0	960

- 22** Which statement about different types of electromagnetic wave is correct?