

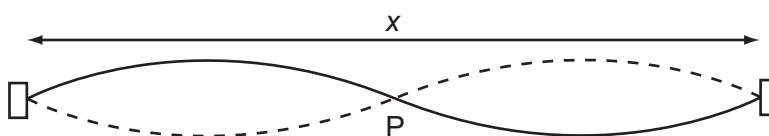
- 24 The diagram illustrates part of the electromagnetic spectrum.



Which labels are correct for the regions marked 1 and 2?

	1	2
A	infrared	X-rays
B	microwaves	X-rays
C	ultraviolet	microwaves
D	X-rays	infrared

- 25 The diagram represents a stationary wave on a stretched string.



What is represented by point P and by the length x?

	point P	length x
A	antinode	one wavelength
B	antinode	two wavelengths
C	node	one wavelength
D	node	two wavelengths

- 26 A two-slit arrangement is set up to produce interference fringes on a screen. The fringes are too close together for convenient observation when a monochromatic source of violet light is used.

In which way would it be possible to increase the separation of the fringes?

- A** Decrease the distance between the screen and the slits.
- B** Increase the distance between the two slits.
- C** Increase the width of each slit.
- D** Use a monochromatic source of red light.