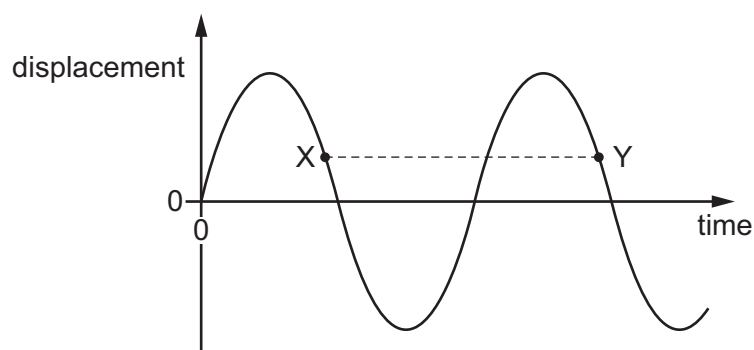


**20** A transverse progressive wave is set up on a string.

The graph shows the variation with time of displacement for a point on this string.



The separation XY on the graph represents the .....1..... of the wave.

X and Y have equal .....2..... .

Which words correctly complete gaps 1 and 2?

	1	2
<b>A</b>	time period	amplitudes
<b>B</b>	time period	displacements
<b>C</b>	wavelength	amplitudes
<b>D</b>	wavelength	displacements

**21** Which region of the electromagnetic spectrum includes waves with a frequency of  $10^7$  MHz?

- A** infra-red waves
- B** radio waves
- C** ultraviolet waves
- D** X-rays