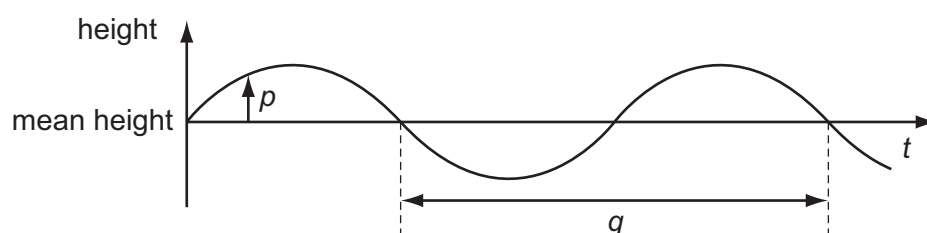


- 24** Electromagnetic waves from an unknown source in space were found to be significantly diffracted when passing through gaps of the order of  $10^{-5}$  m.

Which type of wave are they most likely to be?

- A** radio waves
- B** microwaves
- C** infra-red waves
- D** ultraviolet waves

- 25** The graph shows how the height of the water surface at a point in a harbour varies with time  $t$  as waves pass the point.



What are  $p$  and  $q$ ?

	$p$	$q$
<b>A</b>	displacement	period
<b>B</b>	displacement	wavelength
<b>C</b>	amplitude	period
<b>D</b>	amplitude	wavelength

**Space for working**