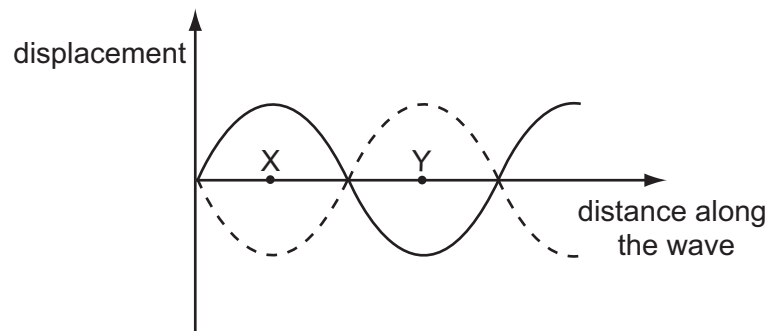


- 26 The graph represents a standing wave at two different times.



What does the distance XY represent?

- A half the amplitude
 - B half the frequency
 - C half the period
 - D half the wavelength
- 27 In which situation does diffraction occur?
- A A wave bounces back from a surface.
 - B A wave passes from one medium into another.
 - C A wave passes through an aperture.
 - D Waves from two identical sources are superposed.
- 28 Light of wavelength 700 nm is incident on a pair of slits, forming fringes 3.0 mm apart on a screen.
- What is the fringe spacing when light of wavelength 350 nm is used and the slit separation is doubled?
- A 0.75 mm
 - B 1.5 mm
 - C 3.0 mm
 - D 6.0 mm