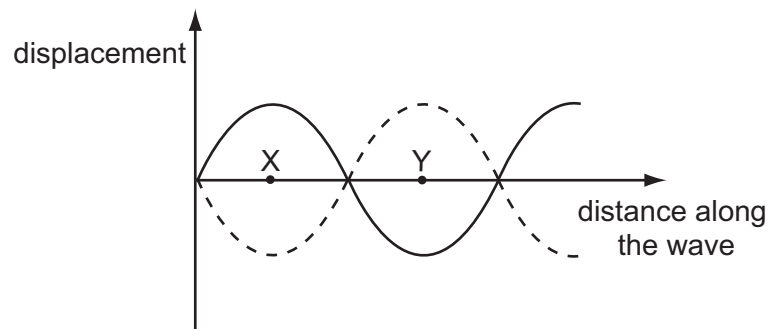


- 26 The graph represents a standing wave at two different times.



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