

- 4 (a) Sketch, on Fig. 4.1, a standing wave with 4 antinodes only.



Fig. 4.1

[2]

- (b) Draw, on Fig. 4.2, a wave that is 90° out of phase with the wave shown.

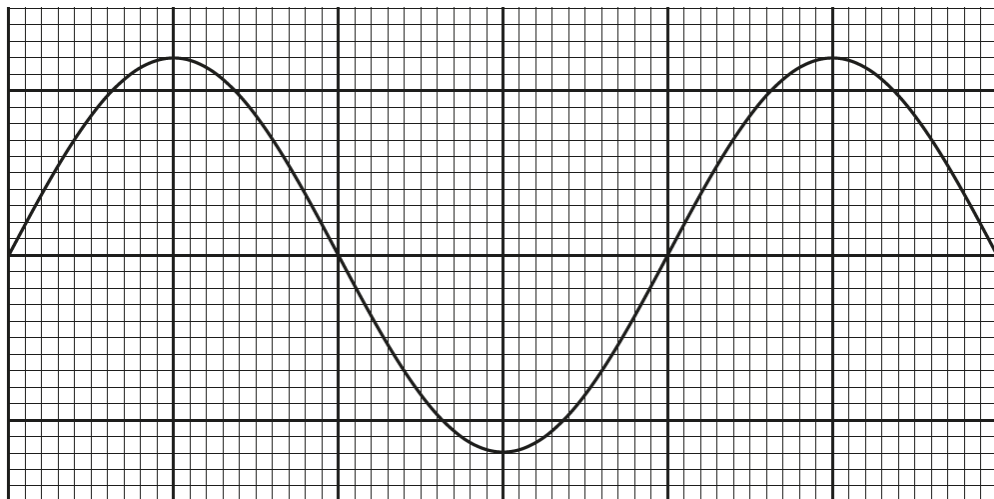


Fig. 4.2

[2]

- (c) Sketch, on Fig. 4.3, the diffraction of a plane wave passing through a gap that is smaller than the wavelength of the wave.

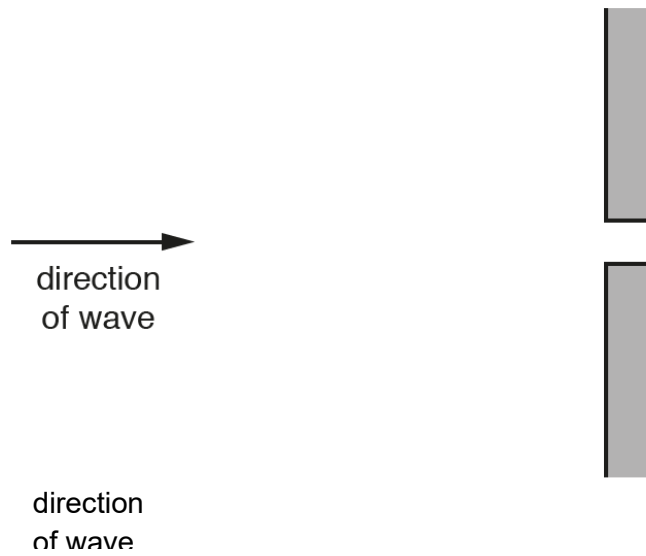


Fig. 4.3

[3]

