

## Physics Chapter 15 Answers

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## CHAPTER 15 Sound

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Question 15. When a compression is incident on rigid wall it is reflected as (a) Compression with a phase change of  $\pi$  (b) Compression with no phase change (c) Rarefaction with a phase change of  $\pi$  (d) Rarefaction with no phase change. Answer. Answer: (a) Compression with a phase change of  $\pi$

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Q. The average wavelength in a series of ocean waves is 15.0 m. A wave crest arrives at the shore on average every 10.0 s, so the frequency is 0.100 Hz.

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Question 15. A loudspeaker converts: (a) electrical signals into sound signals (b) sound signals into electrical signals (c) both (a) and (b) (d) neither (a) nor (b) Answer. Answer: (a) electrical signals into sound signals

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The chapter "Electric Potential Energy MCQs" covers topics of introduction to electric potential energy, electric potential, and equipotential surfaces. The chapter "Equilibrium, Indeterminate Structures MCQs" covers topics of center of gravity, density of selected materials of engineering interest, elasticity, equilibrium, indeterminate structures, ultimate and yield strength of selected materials of engineering interest, and Young's modulus of selected materials of engineering interest. The chapter "Finding Electric Field MCQs" covers topics of electric field, electric field due to continuous charge distribution, electric field lines, flux, and Gauss law. 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