

# Science

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(Chapter – 12) (Sound)

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**Question 1:**

Distinguish between loudness and intensity of sound?

**Answer 1:**

Loudness and intensity both depend upon the amplitude of sound. But loudness is the physiological response of our ears to a particular frequency. Our ears are more sensitive to some frequencies as compared to others. Intensity is the amount of sound energy passing per second per unit area. It is proportional to square of amplitude.