

properties of the medium

[PHY306] Which of the following will remain unchanged when a sound wave travels in water
frequency

[PHY306] The frequency which is not audible to human ear is
50000 Hz

[PHY306] Sound waves are
longitudinal

[PHY306] The physical quantity, which oscillates in most waves is
amplitude

[PHY306] The time period of a vibrating body is 0.05 s. The frequency of waves it emits is
20 Hz

[PHY306] Sound waves do not travel through
vacuum

[PHY306] A sound source sends waves of 400 Hz. It produces waves of wavelength 2.5 m. The velocity of sound waves is
1000ms⁻¹

[PHY306] Sound and light waves both
obey the laws of reflection

[PHY306] A source of frequency of 500 Hz emits waves of wavelength 0.4 m, how long does the waves take to travel 600 m
3 s

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