

Amplitude

Frequency

A bird's vocal cords are short, so they vibrate quickly. The sound waves they produce have what type of frequency.

How are frequency and pitch related

Different type of waves

How do you measure amplitude in longitudinal waves?

Example of measuring waves' frequency?

How do you measure amplitude in transverse waves?

Example of transverse waves

How does the amplitude of sound waves relate to their intensity?

A measure of the number of waves that pass in a second

A measure of the amount of energy in a wave

Frequency is the number of waves per second. The closer the wave peaks are together, the higher the pitch. The higher the frequency of the waves, the higher the pitch of sound.

high frequency

the amplitude is how tightly bunched the particles or sections are

water waves and sound waves

You measure amplitude from the rest position to the top of the wave...how tall the wave is

to count the number of water waves as they crash on the beach

Sound waves with larger amplitudes are louder.

In the ocean, the waves travel forward, as the water moves up and down.

<p>If waves are close together, more would pass during each second and that would mean that the frequency of the waves is</p>	<p>A pin has very little energy when it hits a table. It produces sound waves with what type of amplitudes.</p>
<p>A jet engine has a lot of energy. It produces sound waves with what type of amplitudes</p>	<p>Properties of waves</p>
<p>Longitudinal means</p>	<p>Transverse waves</p>
<p>Longitudinal waves</p>	<p>True or False. The bass string is long and thick, so it vibrates slowly. The sound waves it produces have what type of frequency.</p>
<p>An object that vibrates quickly produces sound-wave peaks that are</p>	<p>Wavelength</p>

small amplitudes	high
wavelength, frequency, and amplitude	large amplitudes
Waves that move up and down.	along
low frequency	Waves that move like a coil from one end to the other.
The distance between a point on one wave and the identical point on the next wave	close together

<p>What do transverse mean</p>	
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	across
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