

Sound waves are compression waves. They are also called longitudinal waves because the air vibrates along the same direction as the wave travels.

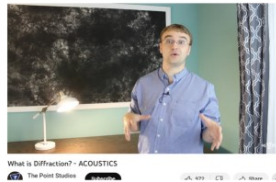
Sound waves will lose energy as they travel which is why if you are too far away from something, you cannot hear it since the sound waves have lost energy and are no longer bumping the particles around them.

March 18

Sound waves can bend, this is called **diffraction**. (Why you can hear noises around corners)



Production of sound | Mechanical waves and sound | Physics | Khan Academy - YouTube  
<https://youtu.be/nGKffdal4Pg>



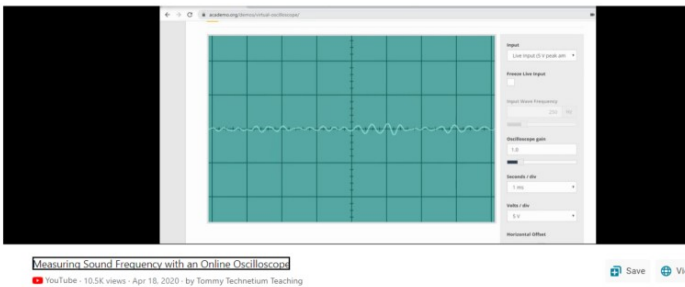
[https://youtu.be/-\\_xZZt99MzY](https://youtu.be/-_xZZt99MzY)



Sound Properties (Amplitude, Period, Frequency, Wavelength) | Physics | Khan Academy

[20Hz to 20kHz \(Human Audio Spectrum\) \(youtube.com\)](#)

[Why can't we hear sound in space? | #aumsum #kids #science #education #children \(youtube.com\)](#)



[Virtual Oscilloscope | Academo.org - Free, interactive, education.](#)

Oscilloscope- is a device that shows sound waves on a screen. They record them vertically so its easier to see but remember that sound is longitudinal.