

Sound

Sound - produced when objects vibrate

- pushes particles of matter next to it and squeezes them together (compression)
- * longitudinal or compression wave

* needs a medium to travel through (matter)

- travels fastest through solid then liquid then gas
- travels faster through warmer than cooler medium

Amplitude → distance between resting line to crest or resting line to trough
↳ greater the amplitude → louder sound

Decibel (dB) - unit of measure for loudness

Frequency - number of waves produced in a given time

- ↳ determines the pitch of the sound wave
↳ high or low sound
- higher frequency higher pitch or sound