

communication is the accurate transfer of a message from source to receiver.

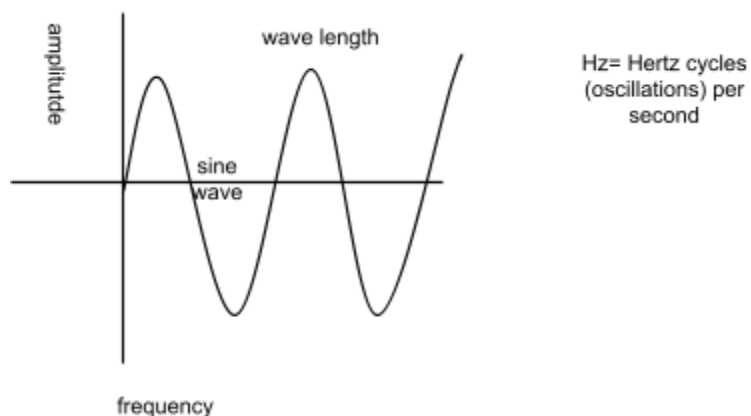
Sound is a mechanical wave that is an oscillation of pressure transmitted through a solid, liquid, or gas, composed of frequencies within the range of hearing and of a level sufficiently strong to be heard, or the sensation stimulated in organs of hearing by such vibrations.[\[1\]](#)

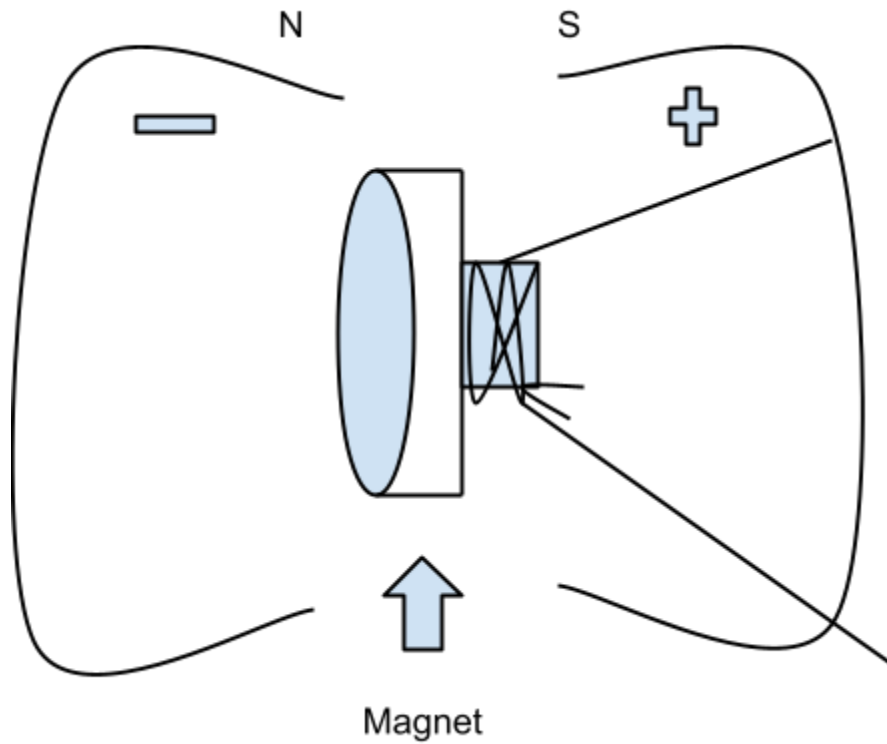
Air molecules being vibrated causing noise to be heard by the ear.

humans can hear from 20 to 20k hertz is the human audible range

Hz=herts

cycles(oscillation) per second





A dynamic microphone is like a backward speaker. because... air molecules move like a diaphragm with a copper coil attached creating a push/pull flow of electricity which gets sent through a connected cable to a pre-amplifier.



Cardioid microphone- directional (aimable)

Omnidirectional- picks up sound everywhere

Dynamic- copper wire and magnet

Condenser microphone- powered by a battery of phantom power

XLR- ground (shielded), balanced