DeltaScienceReaders





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Glossary

absorb to take in

amplitude amount of energy in a sound wave

auditory nerve nerve that carries signals from the inner ear to the brain

compression part of a sound wave where air particles are pushed close together

decibel unit used to measure the loudness of sound

ear canal tube that leads from the outside of the ear to the eardrum

eardrum thin tissue at the end of the ear canal that vibrates when sound waves hit it

echo reflected sound that can be heard

echolocation way of sensing the environment by sending out and receiving sound waves that reflect off objects

energy ability to cause change

inner ear space deep inside the ear that contains a tiny coiled tube called the cochlea

loudness amount of sound energy that reaches our ears; also called *volume* or *intensity*

middle ear space containing three small bones that vibrate and pass sound waves from the eardrum to the inner ear

noise pollution any sound that causes problems for people or things

percussion instrument instrument that makes sound when it is hit

pitch highness or lowness of a sound
reflect to bounce back

sonar use of reflected sound waves to find the depth of water or to locate underwater objects

sonic boom loud noise caused by an aircraft as it flies at or above the speed of sound

sound energy that travels through matter in waves of high and low pressure

sound wave compression wave that carries energy through matter

speed of sound how fast sound travels

stringed instrument instrument that makes sound when strings vibrate

tuning fork tool that vibrates at only one pitch when tapped on a surface; used to tune musical instruments

ultrasonic too high-pitched for the human ear to hear

vibrate to move rapidly back and forth **vocal cords** folds of thin muscle tissue

in our larynx, or voice box

volume amount of sound energy that reaches our ears; also called *loudness* or *intensity*

wavelength distance between two compressions of a sound wave

wind instrument instrument that makes sound when a column of air vibrates inside it

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