

What does sound travel <u>fastest through</u> ?	Sound travels <u>faster through</u> <u>solids</u> than liquids or gases because the molecules are closer together.
What is the pitch of a sound wave?	The <u>pitch</u> is the <u>highness or lowness</u> of a sound and is determined by the frequency. Faster vibrations=higher pitch Slower vibrations=lower pitch
What is the amplitude of a sound wave?	The <u>amplitude</u> is the <u>amount of energy</u> in a sound wave. It is <i>related to intensity and volume.</i> <u>Loud</u> sound=many molecules vibrating hard <u>Soft</u> sound=fewer molecules vibrating slowly
Do <u>humans</u> and <u>animals</u> make and hear <u>different</u> <u>ranges of sound</u> ? Explain.	Yes. People and animals make and hear different ranges of sound. A <u>bat</u> can hear sounds up to <u>110,000 hertz</u> and most <u>people</u> only hear up to <u>16,000 hertz.</u>
What is <u>sonar</u> ?	Sonar is used by bats, ships, whales, etc Sound waves are sent out and echoed back to show location of something.
How are different instruments classified?	Each instrument causes the vibration of sound in different ways. Ex. Smaller, shorter instruments make higher pitched sounds.
What are the <u>4 basic classifications of</u> instruments?	Percussion (drums, etc) Strings (guitar, etc) Wind (trumpet, etc) Electronic (electric guitar, etc)