

What is sound energy?

Read. Number in order the steps that describe how sound energy is transferred.

Sound and Energy Transfer

Sound is a wave of vibrations that spreads from its source. For a sound to be heard, energy must first cause an object to vibrate. Vibrating objects transmit, or send off, energy as **sound waves** in air. The energy is transferred through the air as the sound waves move. When the energy of the original vibrations reaches your ears, you hear sound.



Your vocal cords vibrate when you talk or sing. These vibrations travel through the air as sound waves. The sound waves travel in all directions.

- ☐ Vibrating objects transmit energy as sound waves.
- ☐ Your brain interprets the energy as sound.
- ☐ Energy causes an object to vibrate.
- ☐ Some of the energy reaches your ear.