

What Is Sound?

Note-taking Guide – Answer key

*sound, sound waves, solids, gases, vibrates, closer, eardrum,
energy, matter, vibrations, skin*

Sound is a form of energy.

When the string of a guitar is plucked, it moves back and forth rapidly, or vibrates. When something vibrates, it produces sound.

Sound travels through air particles in the form of sound waves to reach our ears. A thin piece of skin inside our ear acts as a drum.

This is called the eardrum. When the sound waves strike your eardrum, these vibrations are recognized by your brain as sound.

We know that sound can travel through solids, liquids, and gases.

Since sound is passed from one particle to another in waves, the closer together the particles, the faster the sound travels. So, sound travels fastest in solids and slowest in gases.

Since there is no matter in space, sound does not travel in space.