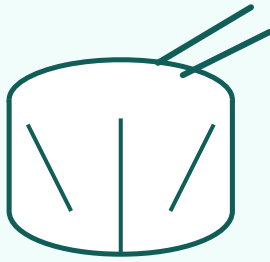


How Sound Works

2nd Grade

Vibration, travel, and why you cannot hear anything in space.



Sound is made when something vibrates. The shaking passes through the air to your ear.

- No vibration, no sound. Stop a drum skin and the sound stops.
- Sound needs something to travel through — air, water or solid.
- Space is empty, so sound cannot travel there at all.
- Bigger vibrations make louder sounds.
- Faster vibrations make higher sounds.
- Sound travels faster through water and solids than through air.

LOOK FOR IT

Press your ear to a table and tap the far end. It arrives sooner and louder than through the air.

Volume is how big the shake is. Pitch is how fast it is. Two different things.