

We can hear music, people speaking, birds singing, cars making noise and much more. What we can hear are sounds¹. What are they?

American English !

What We Can Hear

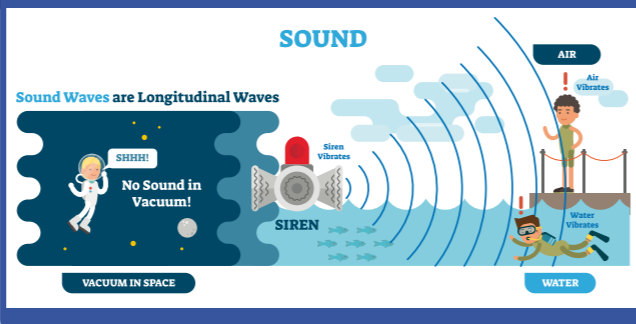
- ▶ Something that moves² back and forth³ very quickly makes a vibration.
- ▶ Hard⁴ materials, for example, glass, vibrate better than soft⁵ materials, such as paper.
- ▶ The vibration moves the air around.
- ▶ The vibrations travel through the air to our ears.
- ▶ Inside an ear, there is an eardrum⁶.
- ▶ Thanks to the vibrating air, the eardrum vibrates and tells our brain we're hearing a sound.

Sound is vibration. We can hear it. But can we see vibrations, too? Not really, but we can see how vibrations move things. Look at this experiment with a toothpick⁷ and two wine glasses with water.



▶ DISCUSS

- Look at the picture and say why there's no sound in a vacuum.



▶ WRITE

Watch this video about sounds and write which materials vibrate well (W) and which vibrate badly (B).



1. glass
2. metal
3. paper
4. rubber

SOLUTIONS ON PAGE 35

▶ VOCABULARY

¹ sound [saʊnd] – zvuk | ² to move [mu:v] – pohybovat se | ³ back and forth [bæk ənd fɔ:θ] – tam a zpět | ⁴ hard [hɑ:d] – tvrdý | ⁵ soft [sɒft] – měkký | ⁶ eardrum ['i:drʌm] – ušní bubínek | ⁷ toothpick ['tu:θpɪk] – párátko

Cutout Flash Cards

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GLASS



METAL



PAPER



RUBBER