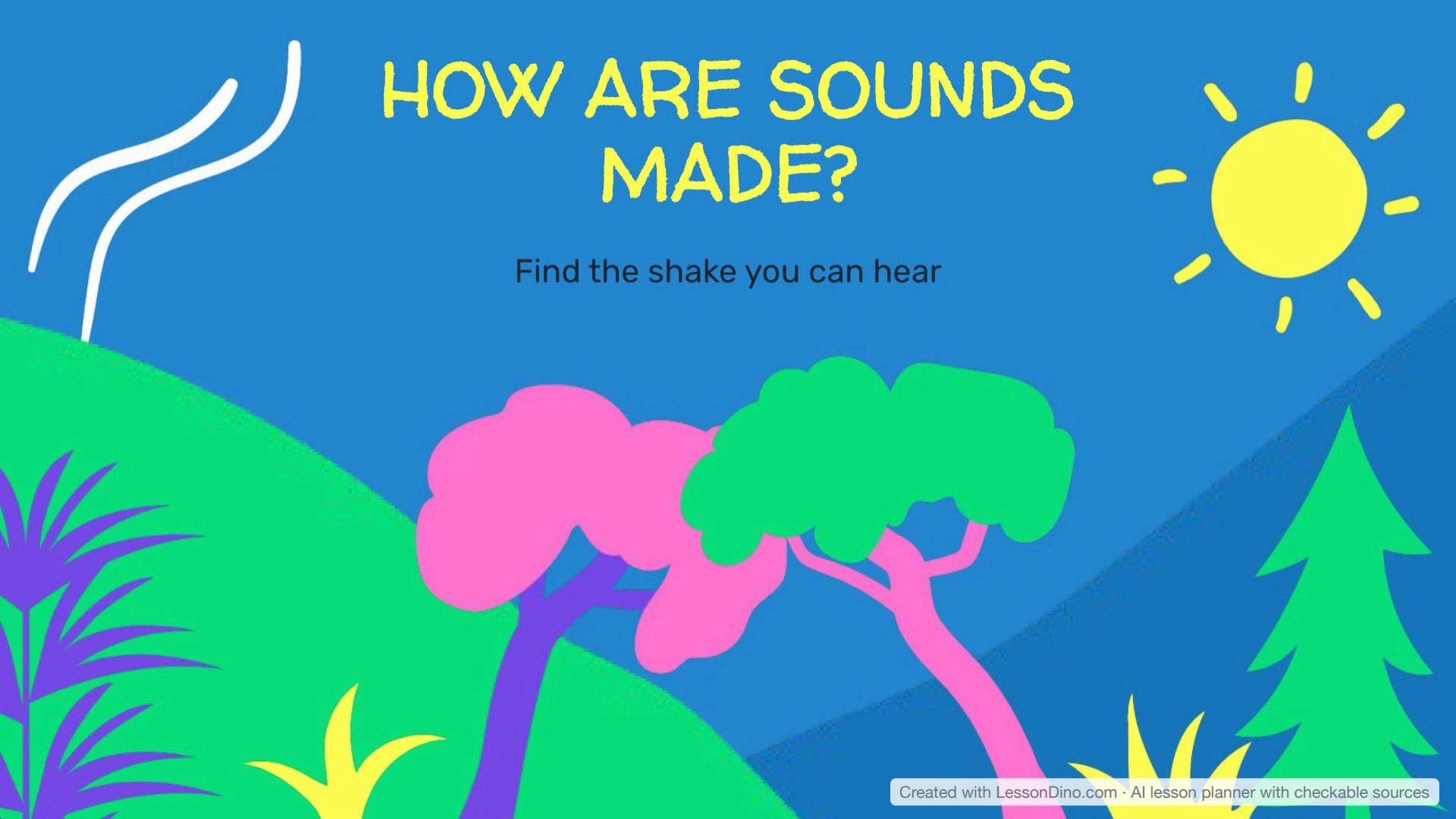
HOW ARE SOUNDS MADE?

Find the shake you can hear



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Listen! What is shaking?

A drum skin moves up and down very fast after it is hit. You hear that fast shaking as sound.

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KEY WORDS

VIBRATE

to shake very quickly back and forth

VIBRATION

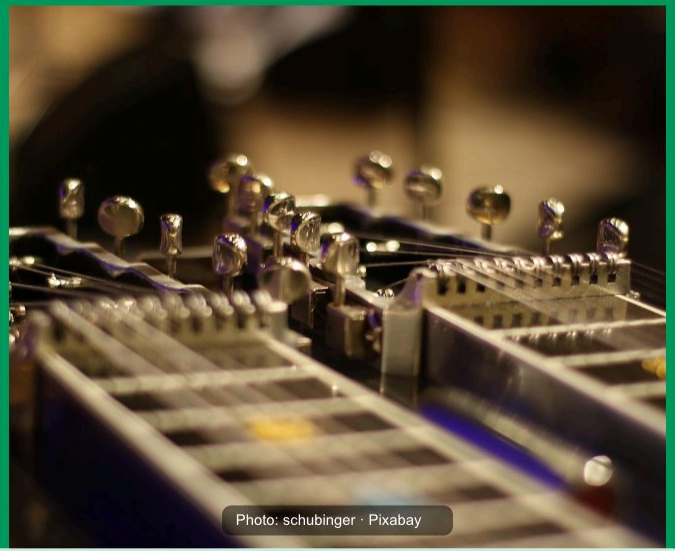
the fast shaking that makes a sound

SOUND

what you hear when something shakes

SOURCE

where a sound comes from



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ALL SOUNDS START WITH A SHAKE

- Every sound starts with something vibrating.
- Vibrating means shaking quickly backwards and forwards.
- Clapping hands shakes the air around them.

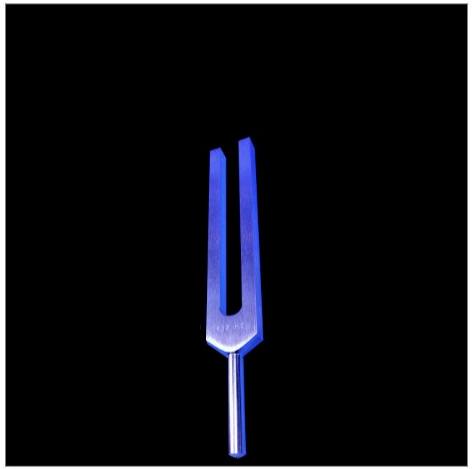


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WHICH VIBRATION WOULD YOU TRY FIRST?

WHICH WOULD BE MOST FUN TO FEEL VIBRATING?

- **A** A big drum skin
- **B** Guitar strings
- **C** Your own throat when humming
- **D** An elastic band twang

Vote with your hands, then explain why.

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WATCH: WHERE IS THE VIBRATION?



▶ 0:00 – 3:21

- Watch what shakes each time a sound starts.
- Listen for how shaking and sound start together.

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CATCH THE VIBRATION

- Touch your throat and hum - feel buzzing?
- Tap a drum skin and watch it wobble.
- Hold hand near speaker to feel air move.

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WATCH AGAIN: SHAKES MAKE SOUNDS



▶ 0:00 – 5:00

- Watch how bigger shakes make bigger sounds.
- See what jumps when the air vibrates.

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YOUR TASK

In pairs, make three sounds and show what is vibrating each time.

1. 1. Pluck an elastic band, tap your desk, hum a note.
2. 2. Watch closely and touch gently to feel the shake.
3. 3. Draw each one and label what vibrated.

10 min

In pairs

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VIBRATING OR STILL?

VIBRATING – MAKES SOUND

- Guitar string moves fast - you hear a note.
- Drum skin wobbles - you hear a boom.

STILL – NO SOUND

- String sits still - you hear nothing.
- Drum skin is flat - it is quiet.

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EXIT TICKET

1. One vibration I felt today was...

2. One sound I still wonder about is...

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