

Listen closely and track those waves!



SOUND WAVE TRACKER

Little Lab Challenges • Episode 10

Sound Wave Jumping Rice!

Sound creates waves – waves make rice jump!



WHAT DO SOUND WAVES LOOK LIKE?

Draw the waves you see for soft, medium, and loud sounds.

SOFT SOUND



Small waves = soft sound

MEDIUM SOUND



Medium waves = medium sound

LOUD SOUND



Big waves = loud sound

#	SOUND TESTED (What did you try?)	LOUD or SOFT?	NEAR or FAR?	RICE JUMP (LOW / MED / HIGH)	DRAW THE WAVE You observed	NOTES Anything else?
1	Bang a pan					
2	Speak (normal)					
3	Whisper					
4	Hum (mmm!)					
5	Clap hands					
6	Play music (favorite song)					
7	Drum tap					
8	Your choice: _____					

MY TOP 3 LOUDEST JUMPS!



1st place: _____

2nd place: _____

3rd place: _____

SOUND WAVE SCIENCE!



Sound is invisible movement!
When something vibrates, it pushes the air into waves that travel to your ears – and can even make rice jump!



BIG WORDS



VIBRATION

Quick back-and-forth movement.

SOUND WAVE



Waves of energy that move through air.

FREQUENCY



How often the vibrations happen.
High = high pitch!

AMPLITUDE



How tall the wave is.
Big = loud sound!

ENERGY



The power that makes things move or vibrate.

WHAT'S NEXT?

Season 2 Episode 1: Bouncing Egg!

Chemical reactions + osmosis

Can you make an egg that bounces?

Continue Your Science Adventure!

Members receive: →

- ✓ Bonus experiments
- ✓ Printable badges
- ✓ Science journals

- ✓ STEM challenges
- ✓ Certificates
- ✓ Monthly activity packs

