

Wizard's Guide to Sound and Light Waves

Grade 4

science

wizards Theme

Word Search

NGSS.4-PS4-1

A young wizard must find hidden words about waves to unlock the spell chamber's secrets.

V	H	G	J	J	A	M	Y	R	P	Z	H
Q	T	N	G	B	W	P	K	B	F	U	L
M	E	D	I	U	M	E	P	F	B	F	N
E	U	L	K	V	O	L	U	M	E	G	Z
Q	C	T	V	I	B	R	A	T	I	O	N
C	H	E	D	I	X	E	N	E	R	G	Y
O	S	X	F	R	E	Q	U	E	N	C	Y
S	O	A	M	P	L	I	T	U	D	E	P
N	U	L	I	G	H	T	X	A	G	R	I
J	N	T	P	E	C	H	O	D	V	K	T
Q	D	Q	W	X	F	W	K	X	T	K	C
T	T	R	N	H	R	S	O	T	V	E	H

FIND THESE WORDS:

VIBRATION

ENERGY

SOUND

ECHO

FREQUENCY

VOLUME

LIGHT

AMPLITUDE

MEDIUM

PITCH

Name: _____

Date: _____

✓ ANSWER KEY — Wizard's Guide to Sound and Light Waves

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TEACHER/PARENT USE ONLY — Words are highlighted in the grid below

V	H	G	J	J	A	M	Y	R	P	Z	H
Q	T	N	G	B	W	P	K	B	F	U	L
M	E	D	I	U	M	E	P	F	B	F	N
E	U	L	K	V	O	L	U	M	E	G	Z
Q	C	T	V	I	B	R	A	T	I	O	N
C	H	E	D	I	X	E	N	E	R	G	Y
O	S	X	F	R	E	Q	U	E	N	C	Y
S	O	A	M	P	L	I	T	U	D	E	P
N	U	L	I	G	H	T	X	A	G	R	I
J	N	T	P	E	C	H	O	D	V	K	T
Q	D	Q	W	X	F	W	K	X	T	K	C
T	T	R	N	H	R	S	O	T	V	E	H

FIND THESE WORDS:

- VIBRATION
- ENERGY
- SOUND
- ECHO

- FREQUENCY
- VOLUME
- LIGHT

- AMPLITUDE
- MEDIUM
- PITCH

VOCABULARY

SOUND — A wave that travels through air and other materials that we can hear

LIGHT — A wave of energy that travels in straight lines and helps us see

VIBRATION — A rapid back-and-forth movement that creates waves

ENERGY — The ability to make things move or change

FREQUENCY — How many waves pass a point in a certain amount of time

AMPLITUDE — The height of a wave from its center to its peak

ECHO — A sound wave that bounces off a surface and returns to your ear

PITCH — How high or low a sound is based on wave frequency

VOLUME — How loud or soft a sound is based on wave amplitude

MEDIUM — A material that waves travel through, like air or water