

Sound Waves - word search

PUZZLE / DEFINITION WORKSHEET / SOLUTION

Find 12 words. Words can run in any of eight directions.

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

VIBRATION

PITCH

ECHO

OVERTONE

FREQUENCY

VOLUME

DECIBEL

HARMONIC

AMPLITUDE

RESONANCE

ACOUSTICS

TIMBRE

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VOCABULARY CLUES / Use the word bank on page 1.

1. A repeated motion around a resting state

2. The number of cycles per unit time

3. The maximum displacement from a wave resting value

4. The perceived high or low character of sound

5. A common term for sound loudness level

6. A strong response near a natural frequency

7. A delayed reflected sound

8. A logarithmic unit used for level ratios

9. The study of sound and its behavior

10. A component above a sound fundamental frequency

11. A frequency that is an integer multiple of a fundamental

12. The sound quality distinguishing similar pitches

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SOLUTION / words marked in gray

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

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