

WHAT IS ACOUSTICS?

Acoustics is the science of sound. There are many kinds of sound and many ways that it affects our lives. We use sound to communicate and you might also know that acoustics is important for creating musical instruments or concert halls or surround sound stereo or hearing aids. But sound is also used to find oil and gas, to study earthquakes and climate change, and to make sure that the baby in a mother's womb is healthy. Some animals, like bats and dolphins use sound to find their food.

acoustics	noise
amplitude	ossicles
auditory nerve	pinna
bat	pitch
cochlea	reflection
decibel	Resonance
dolphin	SONAR
ear	sonic boom
eardrum	sound
echoes	speech
echolocation	supersonic
elephant	sympathetic vibration
energy	tuning fork
frequency	ultrasound
hair bundle	vibration
hearing	vocal folds
hertz	voice
mach	wave

s	g	m	r	a	d	p	r	g	a	s	a	p	r	w	m	e	c	m	c
a	y	z	u	n	j	q	z	m	a	j	u	c	a	g	c	g	i	o	o
s	n	m	u	r	p	x	p	z	s	e	d	b	n	h	b	n	n	o	c
b	p	o	p	l	d	l	x	e	u	r	i	w	o	e	i	i	o	b	h
p	s	e	i	a	i	r	o	b	h	v	t	l	s	r	j	r	s	c	l
y	e	b	e	t	t	h	a	y	v	k	o	f	x	t	c	a	r	i	e
l	a	v	u	c	c	h	x	e	n	c	r	c	g	z	p	e	e	n	a
t	i	d	l	e	h	e	e	x	a	m	y	q	a	u	x	h	p	o	d
w	e	v	o	i	c	e	l	t	a	n	n	i	p	l	i	c	u	s	k
a	r	a	e	u	d	m	i	f	i	j	e	x	v	t	f	n	s	r	a
v	u	g	b	n	i	o	a	e	e	c	r	o	l	o	o	o	o	c	c
e	o	u	l	x	n	y	m	c	c	r	v	h	s	i	d	f	l	d	o
e	l	d	n	u	b	r	i	a	h	n	e	i	t	s	g	m	e	d	u
u	l	t	r	a	s	o	u	n	d	q	a	a	b	n	i	c	p	y	s
c	x	y	c	n	e	u	q	e	r	f	r	n	i	r	i	c	s	d	t
e	l	e	p	h	a	n	t	b	n	b	h	n	o	b	a	v	l	x	i
n	i	h	p	l	o	d	u	o	i	o	u	c	e	s	z	t	q	e	c
j	e	n	e	r	g	y	i	v	w	t	z	l	t	c	e	y	i	l	s
v	f	r	g	t	p	s	o	t	v	v	q	p	k	i	d	r	a	o	y
g	e	m	y	h	e	d	i	i	p	b	g	m	i	k	p	u	p	i	n

You can find definitions of these word search terms at www.exploresound.org



EXPLORE SOUND

Visit www.exploresound.org to learn about acoustics and the scientists who study sound.