

explore sound

Acoustical Society of America



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.

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

You can find definitions of these word search

terms at www.exploresound.org.



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