

Sound Test Yourself 1

Sound Word Search

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

amplitude

crest

frequency

oscillation

peak

trough

vibration

wavelength

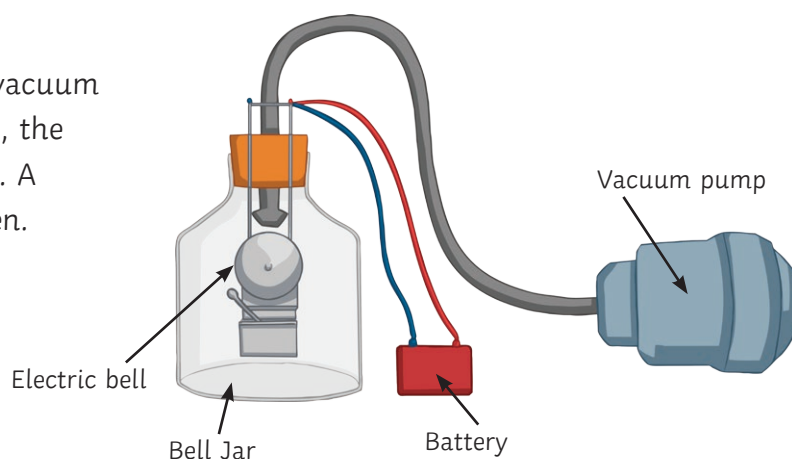
Transverse or Longitudinal?

Put a tick in the correct column to show whether the wave is an example of a transverse or longitudinal wave.

Wave	Transverse Wave	Longitudinal Wave
seismic waves		
x- rays		
sound		
stretched spring		
light		

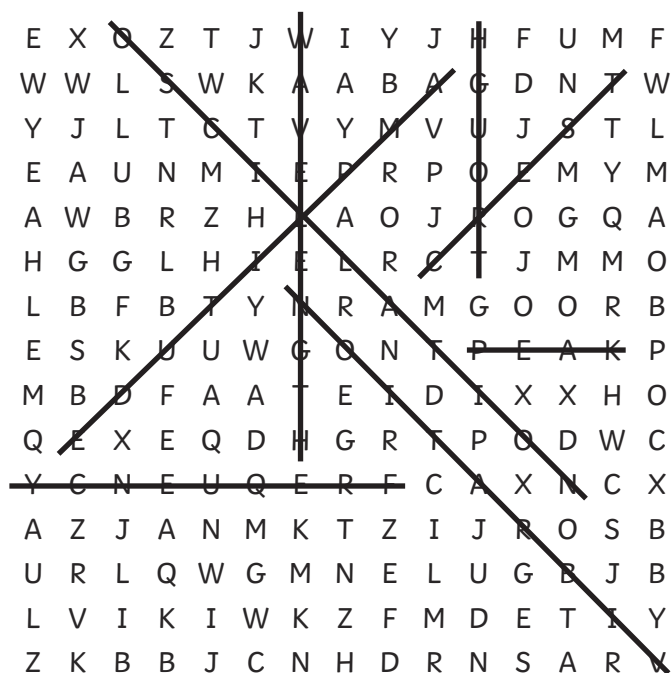
Sound in a Vacuum

The following apparatus was set up and the vacuum pump was switched on. After several minutes, the sound from the bell could no longer be heard. A pupil incorrectly suggested the bell had broken. Explain why there was no sound.



Sound Test Yourself 1 Answers

Sound Word Search



amplitude

crest

frequency

oscillation

peak

trough

vibration

wavelength

Transverse or Longitudinal?

Put a tick in the correct column to show whether the wave is an example of a transverse or longitudinal wave.

Wave	Transverse Wave	Longitudinal Wave
seismic waves		✓
x- rays	✓	
sound		✓
stretched spring		✓
light	✓	

Sound in a Vacuum

The following apparatus was set up and the vacuum pump was switched on. After several minutes, the sound from the bell could no longer be heard. A pupil incorrectly suggested the bell had broken. Explain why there was no sound.

Once a vacuum has been created, no sound can be heard because there are no particles to vibrate.

