



## HOME LEARNING

Subject: Science

Time: 50 minutes

Learning Objective: Explain what sound waves are

Go to this website and watch the lesson video:

<https://classroom.thenational.academy/lessons/sound-waves-cdhkgc>

Use the video to answer these questions:

What type of a wave is sound an example of?

Option 1

Transverse

Option 2

Transfer

Option 3

Longitudinal

Option 4

Vibrational

The direction of energy transfer is \_\_\_\_\_ to the direction of a sound wave

Option 1

Opposite

Option 2

Perpendicular

Option 3

Longitudinal

Option 4

Parallel

What type of a wave is light an example of?

Option 1

Transverse

Option 2

Transfer

Option 3

Longitudinal

Option 4

Vibrational

The direction of energy transfer is \_\_\_\_\_ to the direction of a light wave

Option 1

Opposite

Option 2

Perpendicular

Option 3

Longitudinal

Option 4

Parallel

Copy and complete these sentences:

The top of a wave is called the...

The bottom of a wave is called the...

The entire length of one wave (from peak to peak or trough to trough) is called the...

The height of an entire wave (from peak to trough) is called the...

Complete the final lesson quiz

## Challenge:

Write a paragraph to summarise what you have learnt in today's lesson.

### You must include:

- How sound travels
- The different features of a sound wave
- How a sound wave is different to a light wave

(You may include diagrams to help you)

### Save your work:

If you are using a computer, open a blank document to do your work. Don't forget to SAVE it with your name, the lesson you are doing and the date.

If you would like us to see or mark your work please email it or send a photo of your completed work to:

[rdalton@glebe.bromley.sch.uk](mailto:rdalton@glebe.bromley.sch.uk)

Thank you