



LEARNING LIGHTHOUSE

Rooted in *Tradition*, Built for *Today*.

Lesson 1 | Key Stage 2 | Years 3–4 | Geography

Inside the Earth

What do you think is beneath our feet?



IDEAS AND STORIES

Long ago, people imagined many different worlds inside Earth.

Draw one imaginative idea below.

SCIENTIFIC EVIDENCE

We cannot travel to Earth's centre. Scientists study earthquake waves to learn about its layers.

Draw or write one piece of evidence.

Why might an exciting story and a scientific explanation be different?



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Earth's four layers

Look from the outside towards the centre.

CRUST

The thin, solid outer layer.
We live on its surface.

MANTLE

A very thick layer of hot
rock that moves very
slowly.

OUTER CORE

A liquid layer, mostly iron
and nickel.

INNER CORE

A solid centre, mostly iron
and nickel. Huge pressure
keeps it solid.

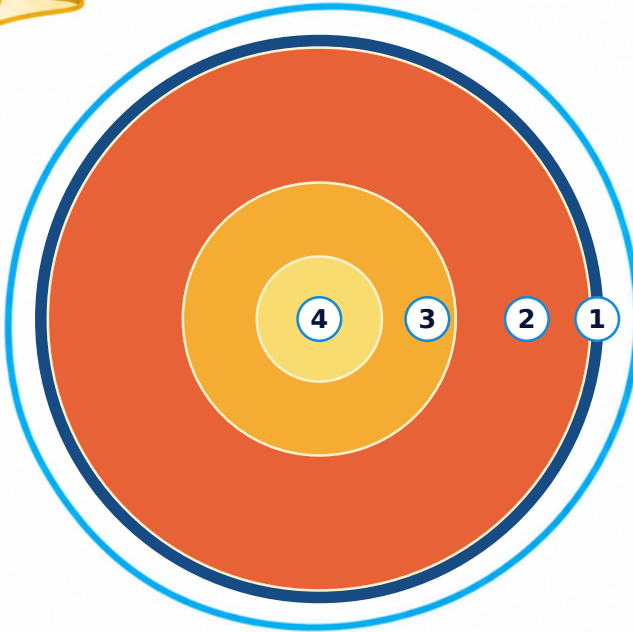
How can earthquake waves help scientists learn about Earth?

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Explore the layers

Write the four layer names. Then match each meaning.



1. _____

2. _____

3. _____

4. _____

crust

mantle

outer core

inner core

solid centre

thin outer layer

hot rock moving slowly

liquid metal

Why is the inner core solid even though it is so hot?

