

# VOLCANOES AND EARTHQUAKES

What is the Ring of Fire? How big are volcanoes? What is a tsunami? Find out more about the science of volcanoes, earthquakes and tsunamis.

*Do You Know?* is a series of levelled non-fiction books featuring video content, project work and critical-thinking activities to motivate and engage young learners. Covering a range of STEM topics from nocturnal animals to climate change, *Do You Know?* takes an enquiry-based approach, developing children's language, communication and investigation skills.

Level 1 Pre-A1 • 400 headwords

Level 2 A1 • 600 headwords

Level 3 A1+ • 800 headwords

Level 4 A2 • 1100 headwords

Lexile measure 420L • Word count 573

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Earth and space

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DO YOU KNOW?

VOLCANOES AND EARTHQUAKES

1

Ladybird

# DO YOU KNOW?



# VOLCANOES AND EARTHQUAKES

Level 1

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# New words



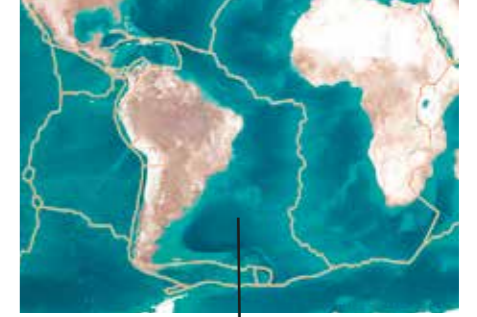
erupt



frightening



piece



plate



high



layer



rock



shake



liquid



move



touch  
(verb)



up

# What is in the Earth?

There are four **layers** in the Earth – the crust, the mantle, the outer core and the inner core.



The sea is on Earth's crust, too.



We live on Earth's crust!

 **THINK!**

What other things live on Earth's crust?

# Is the Earth hot?

Earth's crust is not very hot. Animals and plants can live on it. But Earth's mantle, outer core and inner core are very hot. Animals and plants cannot live there.



Earth's mantle is a big layer of hot **rock** under the crust.



## PROJECT

**Work with a friend.** Make a poster showing the different layers of the Earth.

# Does Earth's crust move?

Earth's crust is rock. It **moves!** The crust is in **big pieces** and the pieces move.

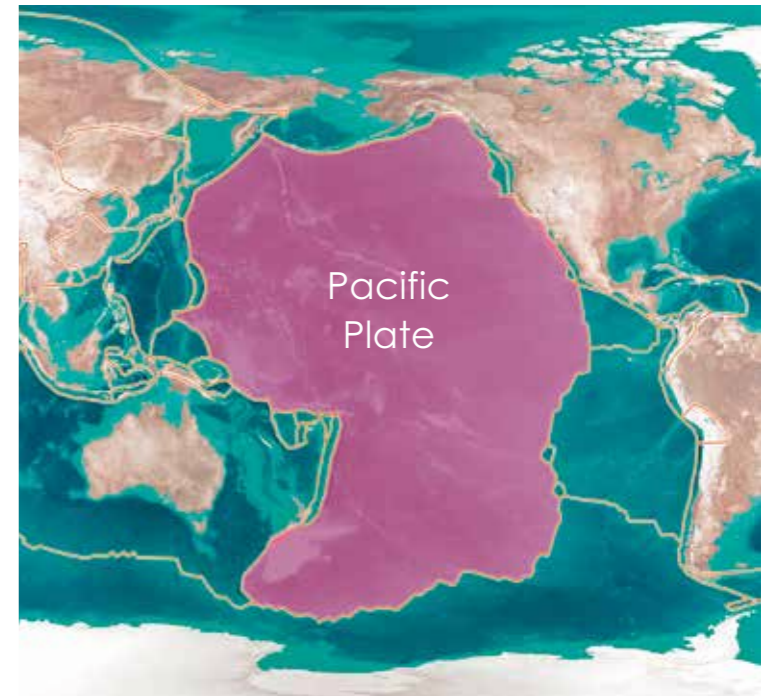
There are seven big pieces and lots of small pieces.

We call each piece a **plate**.

plate

Some plates are under the sea.

The Pacific Plate is very big.



 **LOOK!**

Look at the pages. How many plates can you see?