

CHANGING WEATHER

What is extreme weather? Why is the climate changing? Find out all about ice, rain and the coldest places on Earth.

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 520L • Word count 978

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Humans and animals; animal habitats;
human impact on the environment

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DO YOU KNOW?

CHANGING WEATHER

BBC
earth

DO YOU KNOW?



CHANGING WEATHER

With video
content from
BBC Earth

Level 4

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New words



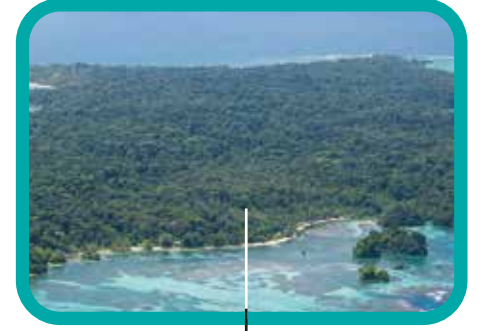
air



den



insect



land
(noun)



desert



fat
(noun)



melt



North Pole



fuel
(noun)



gas



rainforest



South Pole

What is weather?

When you are outside, you can see and feel the weather. It may be raining, sunny or windy.

It may be hot, warm or cold. In some places, there may be snow!

Weather is in the atmosphere.
The atmosphere is the **gases** around the Earth.

The weather is always changing.

The sun makes the **air** in the atmosphere warmer.

Warm air moves, and this makes wind.

The wind moves clouds, rain and snow.



PROJECT

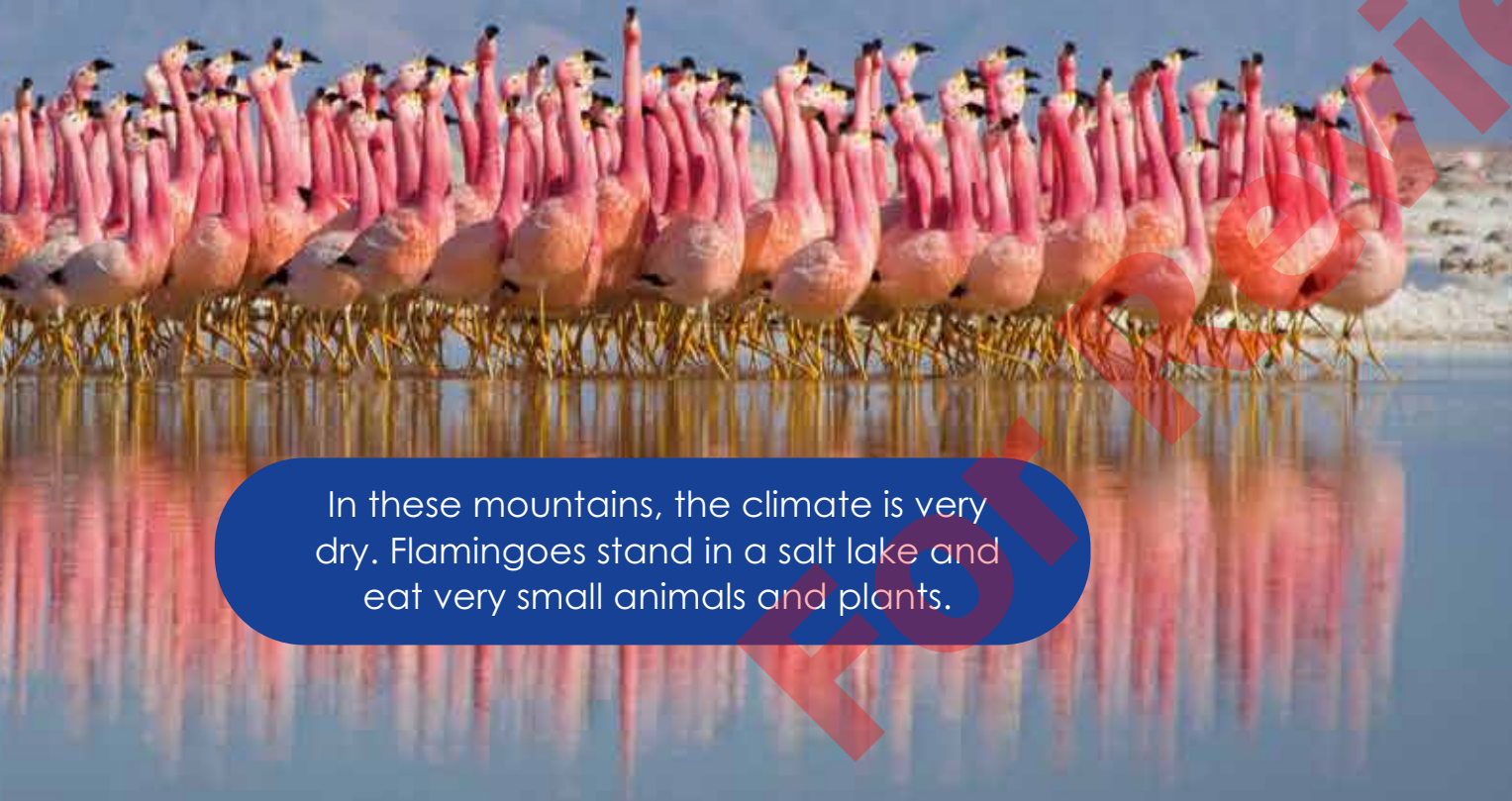
Work in a group.

Make a chart of the weather every day for two weeks. Note if it is sunny, windy or wet. If you have a thermometer, you can measure the temperature, too.



What is climate?

Climate is the normal weather in a place.
It can take many years for climate to change.



In these mountains, the climate is very dry. Flamingoes stand in a salt lake and eat very small animals and plants.

In these mountains, the climate is cold. Snow leopards live here. They are white and grey. Other animals cannot see the leopards in the snow.



In these mountains, the climate is hot and wet. There are clouds in the sky, and it rains a lot.



LOOK!

Look at the pages.

Which animals live in the mountains?

Why are white and grey useful colours in the mountains?

How much does it rain?

It does not rain very much in the **desert**. In some deserts, it does not rain for many years!

Most animals and plants cannot live in deserts because the climate is too dry.



Ground squirrels live in deserts. They get water from the plants that they eat.

It rains a lot in **rainforests**. Many animals and plants live in rainforests because there is **lots** of food and **water**.



This spider monkey eats leaves and fruit in the rainforest.



The climate is wet and hot in rainforests.



WATCH!

Watch the video (see page 32).

What can happen when it rains in the desert?