



e-future

DISCOVERY

5.2



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- **What** is climate change?
- **How** can we fight pollution?
- **Why** should we protect sharks?
- **What** are some of the longest living things on Earth?

People

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- **Who** were the Neanderthals?
- **Who** are the Inuit?
- **How** do blind people read?
- **How** does social media affect our lives?

Health & Fitness

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- **Who** is Usain Bolt?
- **What** are some yoga poses?
- **How** can you exercise more each day?
- **What** foods are good for exercising?

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- **Who** is Tim Burton?
- **Why** was the Taj Mahal built?
- **What** is installation art?
- **How** are wax figures made?



Conservation

Discover

What

Unit 1

Warming Earth

Discover

How

Unit 2

No More Pollution

Discover

Why

Unit 3

Save the Sharks

Discover

What

Unit 4

The Longest Living Things



Humans are lucky to live on such a wonderful planet. But many of our actions are harmful to Earth. We cause pollution, waste resources, and endanger our wildlife. Luckily, there are things we can do to protect our planet. If we take action now, all creatures on Earth will be able to live longer and happier lives.

Unit

1

Warming Earth



**Discuss
& Discover**

1. What animal do you see in the photo?
2. Where does the animal live?
3. What do you think is happening to the animal's home?

Key Words

A Listen and repeat the words. 01

- | | | | |
|----------|------------|--------|-----------|
| 1 flood | 2 glacier | 3 heat | 4 news |
| 5 period | 6 reporter | 7 rise | 8 typhoon |

B Choose and write the correct words from A.

- 1 _____ : a particular length of time
- 2 _____ : to go up or increase
- 3 _____ : information about recent events
- 4 _____ : energy that causes warmth
- 5 _____ : a large piece of ice that moves slowly over land
- 6 _____ : a tropical storm with heavy rain and strong winds
- 7 _____ : an overflow of water covering normally dry land
- 8 _____ : a person who presents the news

C Choose and complete the sentences.

flood

glacier

news

rise

- 1 My parents watch the 8 o'clock _____ every night.
- 2 The _____ melted and the water formed a lake.
- 3 Temperatures often _____ to 40 degrees Celsius in deserts.
- 4 It took several days for the water to go down after the _____.



Warming Earth

▶ 02

Do you hear unusual weather reports on the **news** lately? Unexpected weather events seem to happen more often than before. There is a lot of news about heatwaves, **floods**, droughts, and **typhoons** around the world. **Reporters** say they are because of climate change. But what is climate change?

Climate change refers to the long-term changes in Earth's temperature and weather patterns. Throughout history, Earth has had both warming and cooling **periods**. And it is going through a global warming period now.

Discover in Reading

What is climate change?



Today's global warming is happening too fast. And sadly, it is mainly caused by human activities. For example, the cars we drive and machines we use release greenhouse gases into the air. These greenhouse gases trap **heat** and speed up global warming. As temperatures go up, **glaciers** melt and sea levels **rise**. This puts coastal cities in danger of flooding.

Climate change is a serious problem for all areas of life. It affects ecosystems, agriculture, wildlife, and so much more. So, we must all work together to reduce greenhouse gases and fight global warming.

**Check
Reading
Fluency**

Reading Comprehension

● Choose the correct answers.

1 What is the passage mainly about?

- a** air pollution
- b** life in coastal cities
- c** the effects of climate change

2 What is NOT true about climate change?

- a** It is a short-term change in Earth's temperature.
- b** It is causing a global warming period now.
- c** It leads to unexpected weather events.

3 What does global warming cause?

- a** falling sea levels
- b** freezing glaciers
- c** flooding in cities

4 What is true according to the passage?

- a** Cars and machines use greenhouse gases.
- b** Today's global warming is mainly caused by humans.
- c** Sea levels fall when temperatures go up.

Think & Write

1 What is an example of a weather event caused by climate change?

A _____.

2 Why must we work together to fight climate change?

Because _____.

Graphic Organizer & Summary

A Complete the chart.

What Is Climate Change?

It refers to changes in Earth's temperatures and _____ patterns.

Earth has had both warming and _____ periods.

Earth is _____ global warming now.

It is mainly caused by human activities.

For example, cars and other machines release lots of greenhouse gases.

Greenhouse gases _____ global warming.

Global warming affects _____, agriculture, and wildlife.

cooling

experiencing

ecosystems

speed up

weather

B Complete the summary.

Climate change refers to the long-term changes to Earth's temperatures and weather _____. Today, global _____ is mainly caused by human activities. We drive cars and use machines that _____ greenhouse gases into the air. The _____ trap heat and make Earth warmer. Global warming is a serious _____ that is happening too fast and is affecting all areas of life.

gases

patterns

problem

release

warming