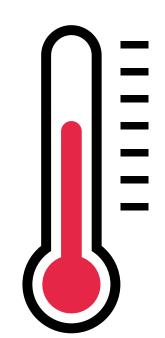
SHAPING OUR FUTURE: THE CLIMATE CHALLENGE KS3 LESSON 2 – PRESENTATION





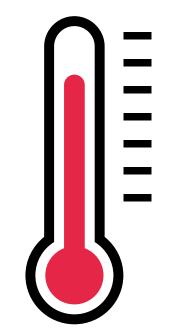
## CHANCE TO CHANGE THE FUTURE

Our climate has always changed naturally but manmade climate change has sped that up dramatically over the last 100-150 years.



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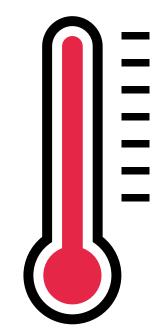
In the last 100 years we have seen 1°C of warming; this is already causing serious impacts. Climate scientists predict that past 2°C of warming the consequences will drastically affect our current way of life.



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In the last 100 years we have seen 1°C of warming; this is already causing serious impacts. Climate scientists predict that past 2°C of warming the consequences will drastically affect our current way of life.

If we don't act now to cut carbon emissions, climate experts are predicting that global temperatures will reach 1.5°C in the next *decade* and around *4*°C this century.







Video opens in YouTube

It's not a distant future we're talking about – it's your lives and the lives of your children and grandchildren.

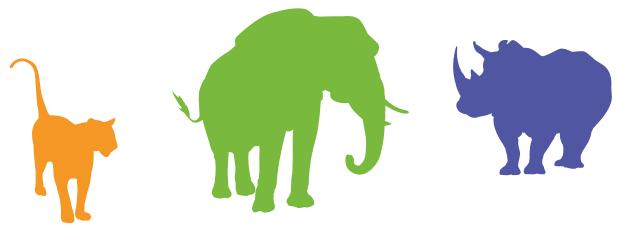


It's not a distant future we're talking about – it's your lives and the lives of your children and grandchildren.

# You're the last generation with the power to change this...



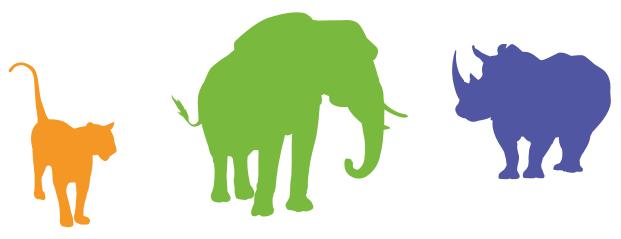
'In less than two generations of humans, the populations of vertebrate animals have dropped by 58% between 1970 and 2012' Living Planet Report 2016



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Causes include:

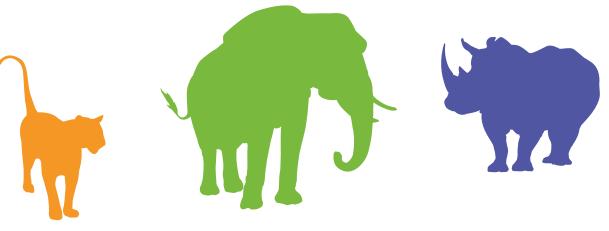
Habitat loss



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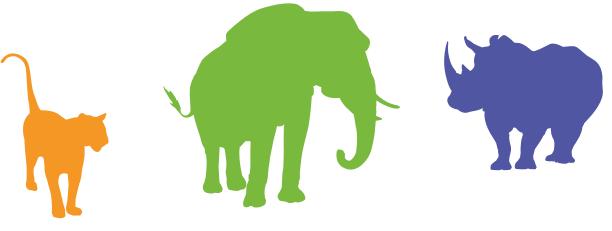
- Habitat loss
- Over fishing, poaching and hunting



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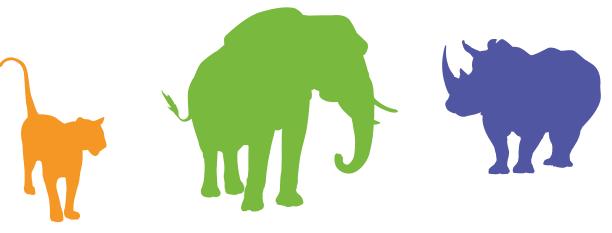
- Habitat loss
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'In less than two generations of humans, the populations of vertebrate animals have dropped by 58% between 1970 and 2012' Living Planet Report 2016

Causes include:

- Habitat loss
- Over fishing, poaching and hunting
- Water pollution
- Climate change



For over 50 years, WWF has been working to protect our natural world.

Some of their campaigns highlight the threats to forests, oceans and freshwater habitats; others the plight of critically endangered species such as tigers, rhinos, gorillas, polar bears and the iconic giant panda. WWF also campaigns on climate change.

Most of the threats to wildlife and habitats come from human pressures and an increasing demand for food or water.



"With so many people living in poverty, protecting wildlife may seem like a 'luxury', but for many of the world's poorest people, nature is a lifeline."

WWF International Director General, Marco Lambertini

"With so many people living in poverty, protecting wildlife may seem like a 'luxury', but for many of the world's poorest people, nature is a lifeline." WWF International Director General, Marco Lambertini

The world's richest countries consume most of the world's resources and produce the largest proportion of greenhouse gases. Yet the world's poorest people and the poorest countries are being hit hardest by the effects of climate change.





Video opens in YouTube

In what ways do Simon Reeve's discoveries support the quote from Marco Lambertini?

"With so many people living in poverty, protecting wildlife may seem like a 'luxury', but for many of the world's poorest people, nature is a lifeline." WWF International Director General, Marco Lambertini

Currently 4,000,000,000,000 (four billion) people are vulnerable to the effects of climate change, such as:

drought and water shortages



- drought and water shortages
- floods and other extreme weather



- drought and water shortages
- floods and other extreme weather
- crop failures and food insecurity

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- loss of low-lying lands and islands
- desertification (the gradual transformation of habitable land into desert)
- loss of biodiversity and ecosystem services
- spread of diseases, such as malaria

You might not have noticed these effects in your area. But how will the effects impact you?

These effects on people and environments around the world mean that everyday products you enjoy could be in short supply, or increase dramatically in cost.

#### Chocolate

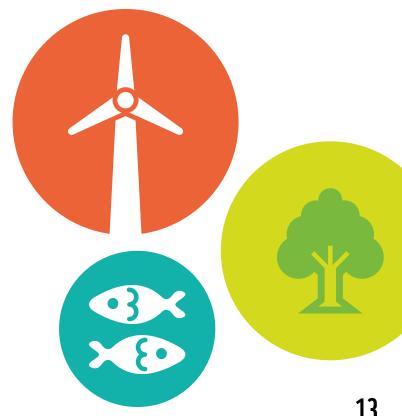


Climate change is not a **future** problem, it is a **current** problem. It is causing our world to experience...

#### different weather patterns

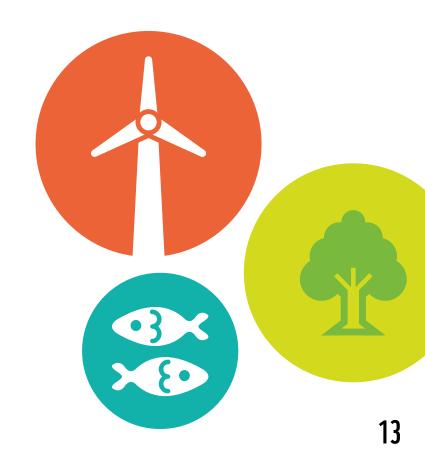


In order to protect people, our world and its natural resources to sustain life on Earth, we need:



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• increased availability and use of renewable energy resources



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- increased availability and use of renewable energy resources
- reduced waste and pollution
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- integrated water resource management
- sustainable fisheries
- restoration of degraded land



# WHAT DO WE NEED TO ACHIEVE?

### In order to protect people, our world and its natural resources to sustain life on Earth, we need:

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- sustainable fisheries
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# WHAT DO WE NEED TO ACHIEVE?

### In order to protect people, our world and its natural resources to sustain life on Earth, we need:

- increased availability and use of renewable energy resources
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- responsible and sustainable consumption
- integrated water resource management
- sustainable fisheries
- restoration of degraded land
- sustainable forest management
- sustainable agricultural development



**Executive Secretary of the UN Framework Convention on Climate Change** 

United Nations Framework Convention on Climate Change (UNFCCC)

**UK Prime Minister** 

**UK Government** 

Secretary of State for the Department for Business, Energy and Industrial Strategy

Department for Business, Energy and Industrial Strategy

Member of Parliament (MP) / elected representative

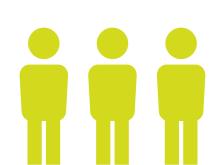
Councils

**Businesses** 

Individuals

#### Individuals

Every single person on this planet has a carbon footprint. This means that every individual has a responsibility to reduce their own impact on our climate. In democratic countries, people also choose their governments.



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Individuals

#### **Businesses**

Business activity is a major cause of greenhouse gas emissions. Every business needs to reduce their emissions. As customers, we can influence business by spending our money with companies who are taking action to reduce their impact.

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**Businesses** 

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Local councils are responsible for providing local services and facilities that could affect the environment. Your elected representatives or councillors represent you at a local level and they have a lot of say over important every-day issues like transport, waste and recycling.

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Individuals

#### Member of Parliament (MP) / elected representative

Individual elected to represent your interests and concerns at a national level in the House of Commons, Westminster. MPs consider and can propose new laws as well as raising issues that matter to you in Parliament. In Scotland there are also Members of the Scottish Parliament (MSP). In Wales there are also Members of the National Assembly for Wales (AM). They all have an important role to influence government in their respective parliaments.



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Member of Parliament (MP) / elected representative

Councils

**Businesses** 

Individuals

#### Department for Business, Energy and Industrial Strategy

The UK Government department principally responsible for tackling climate change.

In Scotland, the Scottish Government Department for Environment, Climate Change and Land Reform is responsible.

In Wales, the Welsh Government Department for Environment and Rural Affairs is responsible.



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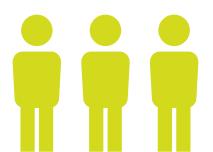
Individuals

#### Secretary of State for the Department for Business, Energy and Industrial Strategy

This person is responsible for making a plan for the UK to meet its emissions reduction targets.

In Scotland, the person responsible is the Cabinet Secretary for Environment, Climate Change and Land Reform.

In Wales, the person responsible is the Cabinet Secretary for Environment and Rural Affairs



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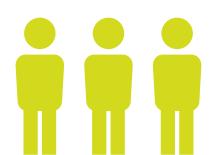
Individuals

#### **UK Government**

Responsible for cutting emissions in line with UN agreements and according to the Climate Change Act which is part of UK law.

In Scotland, the Scottish Government have the Climate Change (Scotland) Act. In Wales, the Welsh Government has legislation on climate change through the Environment Act and Wellbeing of Future Generations Act. The Northern Ireland Assembly also have a role to play, although not sitting at the moment.

They all work together to contribute to the overall target.



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Individuals

### **UK Prime Minister**

Head of the government, ultimately responsible for making sure the UK meets emissions reduction targets.

In Scotland and Wales, the First Ministers are responsible for setting and meeting Scottish and Welsh targets, all of which contribute to the overall goal.

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**Businesses** 

Individuals

United Nations Framework Convention on Climate Change (UNFCCC)

Responsible for convening all the countries of the world to coordinate the global effort to reduce greenhouse gas emissions.



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Member of Parliament (MP) / elected representative

Councils

**Businesses** 

Individuals

Executive Secretary of the UN Framework Convention on Climate Change

Responsible for delivering successful negotiations on climate change action between all countries at the UN.



### **CHANCE TO CHANGE**

We know where we want to be We know how to get there **Now we need to take action....** 

### **CHANCE TO CHANGE**





Video opens in YouTube

