

Human causes of climate change

Learning Question:

- How are humans worsening/enhancing the greenhouse effect?

Learning Objectives:

- I can explain the human causes of climate change.
- I can judge the evidence of human made climate change.



WaterAid/Dennis Lupenga



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Recap: What is the greenhouse effect?

Task: In your books write four sentences explaining what the greenhouse effect is?

Challenge: Without looking at last lessons work, draw 5 pictures that show the natural causes of climate change.



What is Climate Change?



Humans and the greenhouse effect

The greenhouse effect is important to the earth as it helps control the climate and keep us warm.

However, as it is controlled by the number of greenhouse gases in the atmosphere such as carbon dioxide, methane, and water vapor, human activities which produce these gases are making this natural process worse.

This is having devastating impacts on our environment and is motivating the movement to prevent climate change.



Become an expert

Task: You will be given an information sheet with one human cause of climate change.

1. You must read through your information sheet and learn everything you can. Fill in your worksheet with the information on your cause.
2. After you have done this you will need to move to the next table and fill in your worksheet with the next information sheet.

Judge for yourself

Task: Now that you have learnt about all of the different human causes of climate change, try to write an answer to the following questions.

Challenge: Use a statistic or fact to support your point.

1. What is the most significant human cause of climate change?
2. In your opinion, which is the easiest climate change causing problem to resolve? Why?
3. In your opinion, which climate change causing problem is the hardest to resolve? Why?

Resolving the problem?

Task: For one human cause of climate change write a list of all the activities human take part in relating to your cause that cause this type of greenhouse gas emissions.

You will have two minutes in pairs to create a list as long as you can make it. The longest list wins!

Challenge: Make a second list for another human cause. How many connections are there? What do these connections show us about fixing the problem?

Calculate your impact

Task: Using one (or all!) of these calculators work out what your personal (or household) contribution to climate change is.

Challenge: What are the biggest contributors to your greenhouse emissions? Can you change this? What would help you be able to lower your emissions?





**Clean water.
Decent toilets.
Good hygiene.**