

Climate Change – homework task



Each week you need to carry out some research on the questions listed below.

You need to include detail in your answers – no answers with just one sentence.

All research should be completed on OneNote. The final projects can be complete in various forms but must be submitted to your Science teacher before the deadline.

Deadline!

- Week beginning 30th January: Anyone who has not completed the research tasks will be logged as homework not completed. (and you will have to go to homework club!)
- Week beginning 6th February: Final projects due.

Week 1 (09/01/23):

This week's research is about the difference between climate and weather.

Here are some links to resources to help you answer the questions:

Weather:

<https://www.bbc.co.uk/bitesize/topics/zx38q6f/articles/zqnb3i6>

Climate: <https://www.bbc.co.uk/bitesize/topics/zx38q6f/articles/zqqvf82>

Weather and climate:

<https://www.bbc.co.uk/bitesize/guides/zw9qtfr/revision/1#:~:text=What>

[%20is%20the%20difference%20between,periods%20and%20over%20large%20areas.](#)

What is climate change?:

<https://www.bbc.co.uk/bitesize/topics/zx38q6f/articles/z773ydm>

• Questions	Your answers
What is climate?	
What is weather?	
What's the difference between climate and weather?	
What is climate change?	

Week 2 (16/01/22):

This week's research is about greenhouse gases and the greenhouse effect.

Links to resources:

<https://www.bbc.co.uk/bitesize/topics/zhssgk7/articles/zq2m2v4>

<https://climate.nasa.gov/ask-nasa-climate/3143/steamy-relationships-how-atmospheric-water-vapor-amplifies-earths-greenhouse-effect/#:~:text=Water%20vapor%20is%20Earth's%20most,gases%20keep%20our%20planet%20livable.>

Questions	Your answers
What are greenhouse gases?	

<p>Three of the main greenhouse gases are water vapour, methane, and carbon dioxide: how are these gases produced?</p>	<p>Water vapour:</p> <p>Methane:</p> <p>Carbon dioxide:</p>
<p>What is the greenhouse effect? (You can paste an image to help explain the greenhouse effect)</p>	

Week 3 (23/01/23):

This week's research is about

[-Does "global warming" mean it's warming everywhere? | NOAA Climate.gov](#)

[-Are Humans the Major Cause of Global Warming? | Union of Concerned Scientists \(ucsusa.org\)](#)

[-Climate Q&A - Why is global warming a problem? \(nasa.gov\)](#)

Questions	Your answers
<p>Does global warming mean it will always be warmer?</p>	
<p>Do humans cause climate change? Give 3 reasons we know the answer.</p>	
<p>Why is global warming a bad thing?</p>	

Week 4 & Week 5 (30/01/23): Pull all your research together and present it as one of the following:

- A student newspaper article
- A student newspaper report (video!)
- A presentation suitable for an assembly
- A poster
- An informative leaflet
- A 3D model
- A radio broadcast / podcast

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