

S2 research assignment

Research Stage

Name

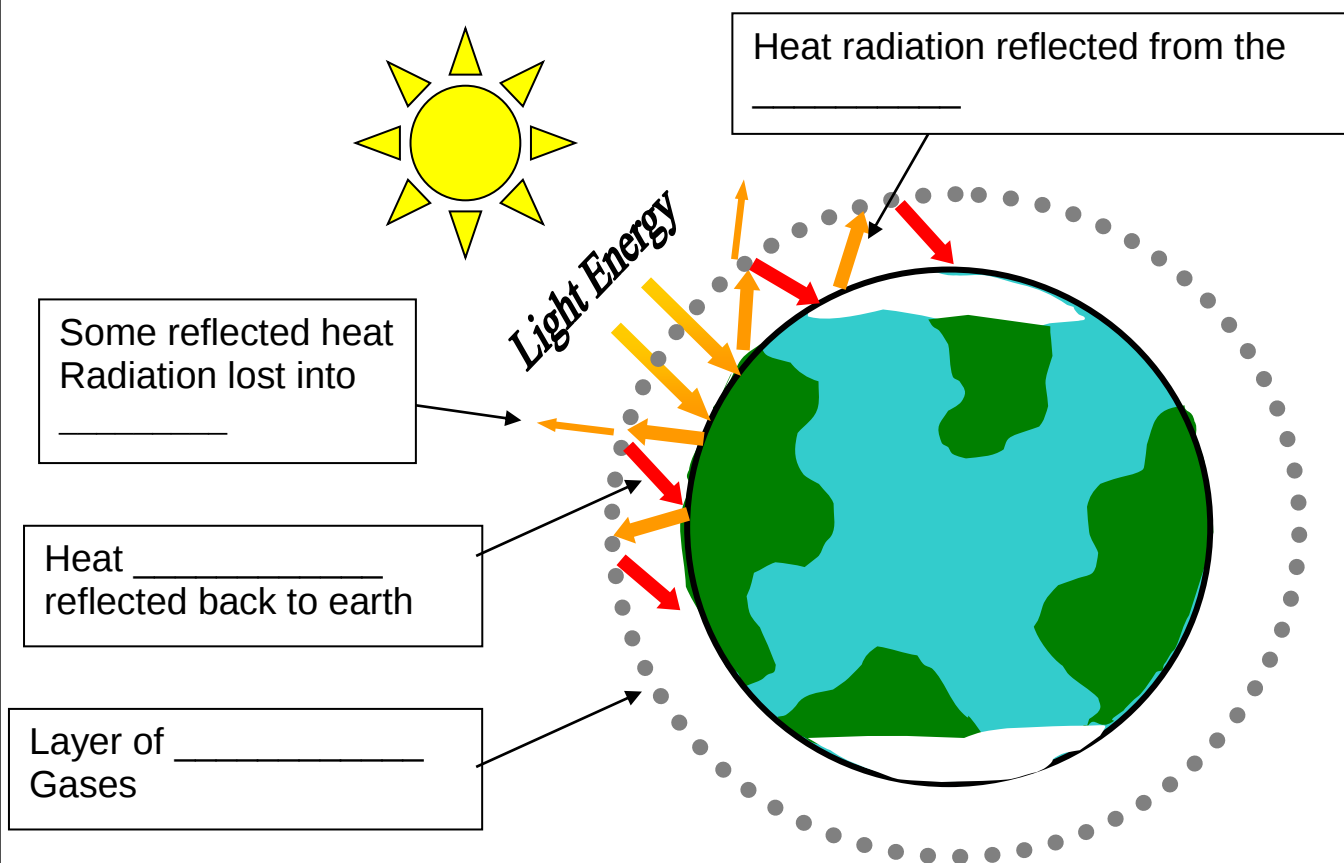
Date

Topic Area

I am going to investigate Climate change

Having covered this key area in class, research and summarise the background science related to this topic.

The greenhouse effect.



The greenhouse gases are _____

The carbon dioxide in the atmosphere has been kept in balance by _____

The carbon cycle is: _____

An increase in greenhouse gases such as carbon dioxide can lead to global warming. Carbon dioxide is increasing in the atmosphere because _____

Global warming and climate change can affect society by

INITIAL AIM

(This is the specific aspect you have chosen to study and it needs to clearly state the application and the effect on the environment or society.)

REVISED AIM (You can change your aim after the research had been carried out)

N4 AVU 1.1 State clearly the issue to be investigated & state briefly in what way it's relevant to the environment /society.

Information on the application you are investigating

Remember to make sure you find and record data/information to help you describe the application and its effect on the environment or society.

You must have at least two sources of data/information to use in your report.

SOURCE 1

	Source selected
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Reference source 1

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How useful is source 1 for your topic?

		
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How reliable or relevant is source 1?

Think about

Who wrote it?

Who published it?

Is it relevant to your topic?

		
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Explain your decision

SOURCE 2

Source selected

Reference source 2

Science for excellence Biological Science level 3 ISBN 978-1-444-11078-4

By Souter, Chambers and Jeffrey. Pages 45-49

How useful is source2 for your topic?



How reliable is source 2?

Think about

Who wrote it?

Who published it?



Explain your decision

SOURCE 3

Source selected

Time (minutes)	Temperature of air (°C)	Temperature of carbon dioxide (°C)
0	60	60
1		
2		
3		
4		
5		

Reference source 3

Experiment title: _____

Experiment aim: _____

How useful is source 3 for your topic?



How reliable is source 3?

Think about

Who wrote it?

Who published it?



Explain your decision

Source 4

Summarise what the graphs show you

and compare the two graphs

Source selected

Do you think that there is a link between temperature and carbon dioxide concentration?

Give a reason for your answer

Source selected

Reference

www.nature.com

How useful is the source for your topic?



How reliable is source ?

Think about

Who wrote it?

Who published it?



Explain your decision

source 5

Reference additional information

Teacher's TV - climate change: the causes

How useful is the additional information for your topic?



How reliable is source ?

Think about

Who wrote it?

Who published it?



Explain your decision

Source 6

Source selected

Reference additional information

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How useful is the additional information for your topic?



How reliable is source ?

Think about

Who wrote it?

Who published it?



Explain your decision

N4 AVU 1.2 Have 2 relevant sources of information recorded with where the information came from.

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N4 AVU 1.2 Appropriate and sufficient information gathered from at least two sources.

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Look back over the data/information you have gathered from different sources.

Are there different opinions/views in your research?

Which sources agree with each other?

Which sources are you going to use?

You have to use a minimum of two, but you can use more

Think about a possible conclusion

Ensure everything you need is gathered in this research booklet.

Once you have completed this booklet you are ready to start on the communication stage.