

# Project

## Level 2 Higher Project

H855 – Exemplar Folder 3

**Level 2 Project**  
**Folder 3 Commentary**  
***Global warming***

This investigation project has a reasonable rationale but the candidate does not have a strong understanding of how bias can influence the conclusions of research. There are some strong features in this, but the candidate presumes much and this does impact on the project.

AO1

There is a large amount of planning documentation, some of which is quite confusing. The Gantt charts are clear and could be considered as part of a timeline, although there are no dates.

AO2

Although the candidate considers bias in some of her secondary sources, this understanding is not applied to the primary research. In some places, the candidate understands 'bias' to mean 'selection of information to match the title'. Some of the questions in the questionnaire are quite 'loaded' – the questions on transportation etc presuppose that these have an influence on global warming. There is a detailed record of the interviews conducted. There is some evidence of selection of information from sources.

AO3

The PPR and Personal Action Plan have been well kept by both the candidate and supervisor, and provide evidence of development of the project. The review of secondary sources, although confused about bias, does show considerable work on the candidate's part.

AO4

It is unclear what the conclusions are based on in this project, since the research done does not lead to these. The evaluation is limited and follows the assessment criteria on the URS rather than allowing the candidate to evaluate and review the process of development and learning experience.

There is sufficient to award 38 marks.

## Candidate Authentication Statement

The completed form should be retained within the Centre and should **not** be sent to the moderator or OCR unless specifically requested.

### NOTICE TO CANDIDATE

The work you submit for assessment must be your own.

If you copy from someone else or allow another candidate to copy from you, or if you cheat in any other way, you may be disqualified from at least the subject concerned.

1. Any help or information you have received from people other than your subject teacher(s) must be clearly identified in the work itself.
2. Any books, information leaflets or other material (e.g. videos, software packages or Information from the Internet) which you have used to help you complete this work must be clearly acknowledged in the work itself. To present material copied from books or other sources without acknowledgement will be regarded as deliberate deception.

### Declaration by candidate

<p>Centre Name <input style="width: 90%;" type="text" value="i - - - - -"/></p>	<p>Centre No <input style="width: 90%;" type="text"/></p>				
<p>Session <input style="width: 80%;" type="text" value="June"/></p>	<p>Year <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">2</td> <td style="width: 20px;">0</td> <td style="width: 20px;">1</td> <td style="width: 20px;">0</td> </tr> </table></p>	2	0	1	0
2	0	1	0		
<p>Specification or Unit title <input style="width: 95%;" type="text" value="H855 Higher project L2"/></p>					
<p>Candidate Name <input style="width: 90%;" type="text"/></p>	<p>Candidate Number <table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;"> </td> <td style="width: 20px;"> </td> <td style="width: 20px;"> </td> <td style="width: 20px;"> </td> </tr> </table></p>				

I have read and understood the **Notice to Candidate** (above). I have produced the work without any help from other people apart from that which I have declared in the work itself. I have acknowledged all source materials in the work itself.

Candidate's signature: .....

Date: 11<sup>th</sup> May '10

Notes

*The Candidate Authentication statement once completed should be stored securely within the Centre. A copy of this authentication form must be available upon request for each coursework/portfolio submission*



RECOGNISING ACHIEVEMENT

# Level 2 Higher Project

Unit H855

Unit Recording Sheet

Please read the instructions printed at the end of this form. One of these cover sheets, suitably completed, should be attached to the assessed work of each candidate.

Unit Code	H855	Year	2	0	0
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Centre Name		Centre Number			
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Candidate Name	Joclie	Candidate Number			
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AO	Criteria			Teacher Comment	Mark
1	<ul style="list-style-type: none"> <li>Selection of the project or task, with limited individual input</li> <li>Planning of the project or task, with limited individual input</li> <li>Limited individual input during the process of the project</li> <li>Limited organisational skills used to complete the project</li> <li>Using one or two methods to work towards achieving agreed objectives</li> <li>Using few resources to work towards achieving agreed objectives</li> </ul>	<ul style="list-style-type: none"> <li>Selection of the project or task, with some individual input</li> <li>Planning of the project or task, with some individual input</li> <li>Some individual input during the process of the project</li> <li>Some application of organisational skills to complete the project</li> <li>Using a range of methods to achieve agreed objectives</li> <li>Using a range of resources to achieve agreed objectives</li> </ul>	<ul style="list-style-type: none"> <li>Individual selection of the project or task</li> <li>Individual planning of the project or task</li> <li>Individual input during the process of the project</li> <li>Application of organisational skills to complete the project</li> <li>Using a wide range of methods to achieve agreed objectives</li> <li>Using a wide range of resources to achieve agreed objectives</li> </ul>	<p>Project chosen through personal interest convenus page provided acced man gantt chart x 3 and ipre to and progression</p>	7
	[0 1 2 3 4]	[5 6 7 8]	[9 10 11 12]		

2	<ul style="list-style-type: none"> <li>Researching some information relevant to the topic</li> <li>Selecting information from one or two sources</li> <li>Some collation of information</li> <li>Some application of the information obtained, when working towards achieving agreed objectives</li> </ul>	<ul style="list-style-type: none"> <li>✓ Researching a range of information relevant to the topic</li> <li>✓ Selecting information from a range of sources</li> <li>✓ Collating information from a range of sources</li> <li>✓ Applying the information obtained towards achieving agreed objectives</li> </ul>	<ul style="list-style-type: none"> <li>Researching a wide range of information relevant to the topic</li> <li>Selecting information from a wide range of sources</li> <li>Collating information from a wide range of sources</li> <li>Applying information in a relevant manner to achieve agreed objectives</li> </ul>	<p>USE OF X2 PRIMARY INTERVIEW RECORDS QUESTIONNAIRE</p> <p>USE OF WIDE RANGE OF WEBSITES, NEWSPAPERS AND BODIES TOGETHER WITH REVIEW OF EVALUATION OF SOURCE RELIABILITY OF SOURCE</p>	8
3	<ul style="list-style-type: none"> <li>Good knowledge exists of what had to be done to achieve the intended outcome</li> <li>Appropriate tools and equipment (where relevant) were selected and used in a safe manner with guidance and supervision</li> <li>Relevant skills and technologies were selected and used to achieve objectives; these may include PLTS and functional skills</li> <li>When relevant, problem solving and working with others have been used</li> </ul>	<ul style="list-style-type: none"> <li>✓ Excellent knowledge exists of what had to be done to achieve the intended outcome</li> <li>✓ A range of appropriate tools and equipment (where relevant) were selected and used in a safe manner with some guidance and supervision</li> <li>✓ Relevant skills and technologies were efficiently selected and used to achieve objectives; these may include PLTS and functional skills.</li> <li>✓ When relevant, problem solving and working with others have been applied efficiently</li> </ul>	<ul style="list-style-type: none"> <li>Excellent knowledge exists (some of which was acquired by the learner independently) of what had to be done to achieve the intended outcome</li> <li>A well-selected range of appropriate tools and equipment (where relevant) was used in a safe manner with minimal guidance and supervision</li> <li>A range of relevant skills and technologies, some of which were at a high level, were efficiently selected and used to achieve objectives; these may include PLTS and functional skills.</li> <li>When relevant, problem solving and working with others have been applied efficiently and successfully</li> </ul>	<p>USE OF RECENTLY TO ANALYSE AND CREATE OPINION</p> <p>LINKS MADE TO BUSINESS, SCIENCE INTERVIEW SKILLS USED TO ASSESS STRATEGICAL</p> <p>INTERVIEW WITH SCIENCE TEACHER, AND QUESTIONNAIRE MENTION OF CHANGE OF PRACTICE IN PAPER</p>	11

[0 1 2 3 4 5 6 7 8]

[9 10 11 12 13 14 15 16]

[17 18 19 20 21 22 23 24]

[0 1 2 3 4]

[5 6 7 8]

[9 10 11 12]



<p>4</p> <ul style="list-style-type: none"> <li>Some analysis of project outcomes</li> <li>✓ Drawing some conclusions from the project outcomes</li> <li>✓ Using appropriate methods to communicate project outcomes</li> <li>✓ Presenting evidence in an appropriate format</li> <li>✓ Knowledge and understanding of links with other areas of study and/or areas of interest</li> <li>✓ Evaluation of the project, judging its relevance and value</li> <li>✓ Evaluation of experiences and learning with examples of how this could improve future progress</li> </ul>	<ul style="list-style-type: none"> <li>Analysis of project outcomes</li> <li>✓ Drawing conclusions from the project outcomes</li> <li>Using appropriate methods to communicate project outcomes effectively</li> <li>Presenting evidence in an appropriate format</li> <li>Clear knowledge and understanding of links with other areas of study and/or areas of interest</li> <li>Competent evaluation of the project judging its relevance and value</li> <li>Competent evaluation of experiences and learning with examples of how this could improve future progress</li> </ul>	<ul style="list-style-type: none"> <li>In-depth analysis of project outcomes</li> <li>Drawing a range of conclusions from the project outcomes</li> <li>Identifying and using appropriate methods to communicate project outcomes effectively</li> <li>Presenting evidence in an appropriate format</li> <li>Clear and detailed knowledge of links with other areas of study and/or areas of interest</li> <li>Understanding of links with other areas of study and/or areas of interest</li> <li>In-depth evaluation of the project, judging its relevance and value</li> <li>In-depth evaluation of experiences and learning with examples of how this could improve future progress</li> </ul>	<p>Brief conclusion included</p> <p>Evidence presented weak - report not clear</p> <p>Mention of links, business + comparison not in great detail</p> <p>Evaluation of progress and experiences weak.</p>	<p>4</p>
<p>[0 1 2 3 4]</p>	<p>[5 6 7 8]</p>	<p>[9 10 11 12]</p>	<p>Total/60</p>	<p>30</p>

**Guidance on Completion of this Form**

- 1 One sheet should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- 3 Circle the mark awarded for each strand of the marking criteria in the appropriate box.
- 4 Add the marks for the strands together to give a total out of 60. Enter this total in the relevant box.

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

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By Jodie



# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

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## Contents Page

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# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

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## Rationale

As a keen scientist, I would like to broaden my knowledge on a particular topic that takes my interest. This topic includes developing a better understanding about the environment, and how we humans are affecting it. My report will contain detailed information about gas emissions and global warming and it will also address social, economic and environmental issues. Along with this will be primary and secondary data that will determine the final outcome of my project.

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In order to get an accurate report, I will use my research from a range of sources to support my final conclusion. This data will be obtained from the internet and books. Also, I will conduct a questionnaire to gain primary information related to the topic title. As extra research I will interview my science teacher which will expand my knowledge even further. *(resources)*

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This topic links in with Science as it contains scientific information and theories about the environment. The key elements of the project will be drawn from all three sciences; Biology, Physics and Chemistry. The depth of this project will show that I have excellent knowledge about the topic which will help me complete my intended outcome. *links with other subject*

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The aim of this project is to expand my knowledge on the topic. Also, I intend to improve and extend my research abilities by obtaining information through various forms of research.

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### Project Progression Record

Level 2 Line of learning (when taken as part of a Diploma) \_\_\_\_\_

Centre Name \_\_\_\_\_ Centre Number \_\_\_\_\_

Learner name \_\_\_\_\_ Learner Number \_\_\_\_\_

The topic chosen must allow the learner

- to be fairly assessed at the standard applicable to the Project level (level 1, 2 or 3).
- the opportunity to meet comparable demands to those made on other learners working at the same level
- to meet all of the Learning Outcomes and Assessment Objectives of the Project.

*Planning selection of project and individual output*

Activity	Date	Detail	Supervisor's initials	Comments
The date you started your project	4/03/10	Group discussion about topic choice and ideas.	CWN	Generated ideas on project proposals
First thoughts about topic and working title	4/03/10	I wrote a project proposal to outline the topic and its title.	CWN	Title submitted to OCR for consultation

*organisation skills*

Activity	Date	Detail	Supervisor's initials	Comments
<p>If completing the Diploma,</p> <ul style="list-style-type: none"> <li>• is topic relevant to Principal Learning?</li> <li>• Does the project complement and develop the themes and topics for learners' principal learning set out in the relevant line of learning criteria?</li> </ul> <p><b>and/or</b></p> <ul style="list-style-type: none"> <li>• does it support learner progression (skills, knowledge, understanding?)</li> </ul>	4/03/10	The project complements Science and also supports learner progression through developing my knowledge and research skills.	CWN	Topic not directly related to principal learning but will use IP skills to put research together.
<p>What is the title of the project? This could be phrased as a question, hypothesis or statement.</p>	4/03/10	How do humans affect the environment and cause global warming?	CWN	Will develop research skills and critical thinking skills. Will also need to use self management skills to organise the work and to meet targets.
<p>What do you hope to achieve by the time you complete the project?</p>	4/03/10	To produce a report about the negative/positive affects of humans to the environment. Also, to improve my knowledge and understanding about global warming.	CWN	Question which will be investigated and researched.
<p>What form will the assessment evidence for the project take? (ie design, performance, report with findings from an investigation, artefact, [dissertation – level 3 only])</p>	4/03/10	Report containing secondary/primary research.	CWN	Intends to take a report format with findings from research.
<p>Have you produced an outline plan to show your project timeline?</p>	11/03/10	Yes, I have produced an action plan and a GANT chart to support it.	CWN	Gantt chart and action plan produced. Research will be ongoing whereas only one day allocated.



Activity	Date	Detail	Supervisor's Initials	Comments
What will you need to achieve your project? eg tools, equipment, techniques and technologies	18/03/10	A computer and resources such as books, newspapers and the internet.	CWN	Range of sources planned.
Will you or have you used a range of sources for your information?	18/03/10	Yes, books, newspapers, the internet and primary research taken from a questionnaire I have produced.	CWN	Good range of sources planned & evaluated
Is the information selected suitable and sufficient to fit the question/task/brief?	18/03/10	Yes, the information is either opinions or scientific research based on global warming.	CWN	Mix of scientific research and primary research. Will need to show primary research are opinions only
Have you identified any links with other areas of study or areas of interest which relate to your project?	25/03/10	Yes, it is linked to Science.	CWN	make an appointment to interview science T
What skills need to be applied to use the information you have collected?	1/04/10	Research skills, deciding the relevancy of each piece of information.	CWN	Organisational skills communication skills - obtaining primary info. Analysis skills
Did you apply the tools, equipment, techniques and technologies to use the information that has been collected to complete your project?	8/04/10	Yes, I used a computer.	CWN	Pictures and graphics. word Excel
What outcomes/objectives have you achieved so far (mid-term review)?	15/04/10	So far, I have produced my planning (GANT, Action plan) and I have also obtained primary and secondary research.	CWN	Planning going well so far. Need to start compiling the research.
Evaluation of own learning and performance so far (mid-term review).	22/04/10	So far, my performance has been good and I have successfully planned my project and obtained relevant research. By doing this, I have already improved my knowledge on the topic.	CWN	Good progress so far. Need to start forming opinions from research. Would like to see some of the report being completed



Activity	Date	Detail	Supervisor's initials	Comments
What have you changed after reviewing your work?	22/04/10	The structure of my research.	CWN	Reflected on what Sharon and adjustments made.
Final phase - Do you feel that you have achieved all of the outcomes/objectives of your project?	22/04/10	No, I have not completed by final product due to time restraints and teacher's leaving.	CWN	Project taking longer than anticipated - perhaps underestimated things on action plan.
Presentation of Portfolio <ul style="list-style-type: none"> <li>written section (compulsory, even if the outcome is a performance or artefact)</li> <li>other evidence can be DVD, photographs, slides, CD, artefact, digital technologies etc</li> </ul>	29/04/10	N/A	CWN	Written report on findings from primary and secondary research.
Describe how you have presented your project to an audience	29/04/10	Report	CWN	No evidence of being presented to anyone - would be good to get feedback from other people!
Have you evaluated your project, taking into account any feedback from your audience?	29/04/10	No, didn't have enough time.	CWN	Time constraints prevented this - perhaps improved planning in future projects and time management skills.
Date of project submission to teacher	30/4/10	Submitted but not completed due to time constraints and teachers leaving.	CWN	project comments

PC3

**Notes**

This form should be used to record the progress of each learner and may also assist in forming a basis and justification for the mark awarded under each assessment criterion (for example, by indicating the level of support needed by the learner).

**At Level 3 it is not intended that the supervisor gives any written feedback to the learner in the comments section.** Verbal feedback may be given by the supervisor, this should not be recorded on this form. Learners may use the comments section for taking notes.

A copy of this form must accompany each learner's work when it is submitted for Moderation.



# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

ACL

Appendix 1 -

*individual input and planning*

## Personal Action Plan

Week Commencing	What have you achieved this week?	Any problems?	Successes	What do you need to do next?
4/03/10	Decided the title and started planning the outcome.	It was hard to decide on an appropriate topic that was relevant to me.	Started project and decided on a title.	Continue planning my project.
11/03/10	Produced a GANT chart showing tasks that need to be completed.	Hard to estimate expected time due to changing time constraints.	Completed planning.	Start my research.
18/03/10	Started to collate my secondary research and started Rationale.	Limited amount of books in public library.	Improved research skills.	Continue research and design questionnaire.
25/03/10	Designed questionnaire and decided who the target audience are.	-	Developed another research method.	Distribute the questionnaire.
1/04/10	Distributed questionnaire.	-	-	Collate results
8/04/10	No lesson.	-	-	-
15/04/10	No lesson.	-	-	-
22/04/10	Collate questionnaire	-	Used a different	Review research.

	results and review them.		type of research skill.	
29/04/10	Review secondary and primary research.	-	Used analytical skills.	Produce report.
30/04/10	Hand in project.	Not entirely complete due to time constraints and teachers leaving.	-	-



# How Do Humans Contribute to Greenhouse Gas Emissions and Global Warming?

Act

*application of organisation's skills*



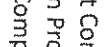
## Action Plan

Task No.	Duration (days)	Task Description	Resources	Dependencies
1	0.5	Produce action plan	Computer	None
2	0.5	Decide on title and start planning	Computer	None
3	1	Collate secondary research	Books, magazines, computer	None
4	1	Produce Rationale	Computer	None
5	1	Design questionnaire	Computer	3
6	1	Distribute questionnaire	Computer, questionnaire answerers	5
7	1	Collate questionnaire results	Computer	5,6
8	1	Review primary research	Computer	5,6,7
9	1	Review secondary research	Computer	3
10	2	Produce report	Computer	3,5,6,7,8,9
11	1	Produce evaluation	Computer	3,5,6,7,8,9,10
12	1	Produce bibliography	Computer	10
13	Ongoing	Complete personal progression report	Computer	All
14	Ongoing	Complete personal action plan	Computer	All



Gant Chart




Task No.	Task Description	Duration	Days														
			1	2	3	4	5	6	7	8	9	10	11				
1	Produce action plan	0.5															
2	Decide on title and start planning	0.5															
3	Collate secondary research	1															
4	Produce Rationale	1															
5	Design questionnaire	1															
6	Distribute questionnaire	1															
7	Collate questionnaire results	1															
8	Review primary research	1															
9	Review secondary research	1															
10	Produce report	2															
11	Produce Evaluation	1															
12	Produce bibliography	1															
13	Project Progression Document	Ongoing															
14	Personal Action Plan	Ongoing															

 Not Completed  
 In Progress  
 Completed

*application of organisations*

Gant Chart




Task No.	Task Description	Duration	Days												
			1	2	3	4	5	6	7	8	9	10	11		
1	Produce action plan	0.5	█												
2	Decide on title and start planning	0.5		█											
3	Collate secondary research	1			█										
4	Produce Rationale	1				█									
5	Design questionnaire	1					█								
6	Distribute questionnaire	1						█							
7	Collate questionnaire results	1							█						
8	Review primary research	1								█					
9	Review secondary research	1									█				
10	Produce report	2										█	█		
11	Produce Evaluation	1												█	
12	Produce bibliography	1													█
13	Project Progression Document	Ongoing													
14	Personal Action Plan	Ongoing													

 Not Completed  
 In Progress  
 Completed

*Progression*

Gant Chart

Task No.	Task Description	Duration	Days												
			1	2	3	4	5	6	7	8	9	10	11		
1	Produce action plan	0.5	█												
2	Decide on title and start planning	0.5		█											
3	Collate secondary research	1			█										
4	Produce Rationale	1				█									
5	Design questionnaire	1					█								
6	Distribute questionnaire	1						█							
7	Collate questionnaire results	1							█						
8	Review primary research	1								█					
9	Review secondary research	1									█				
10	Produce report	2										█	█		
11	Produce Evaluation	1												█	
12	Produce bibliography	1													█
13	Project Progression Document	Ongoing	█	█	█	█	█	█	█	█	█	█	█	█	█
14	Personal Action Plan	Ongoing	█	█	█	█	█	█	█	█	█	█	█	█	█

 Not Completed  
 In Progress  
 Completed

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

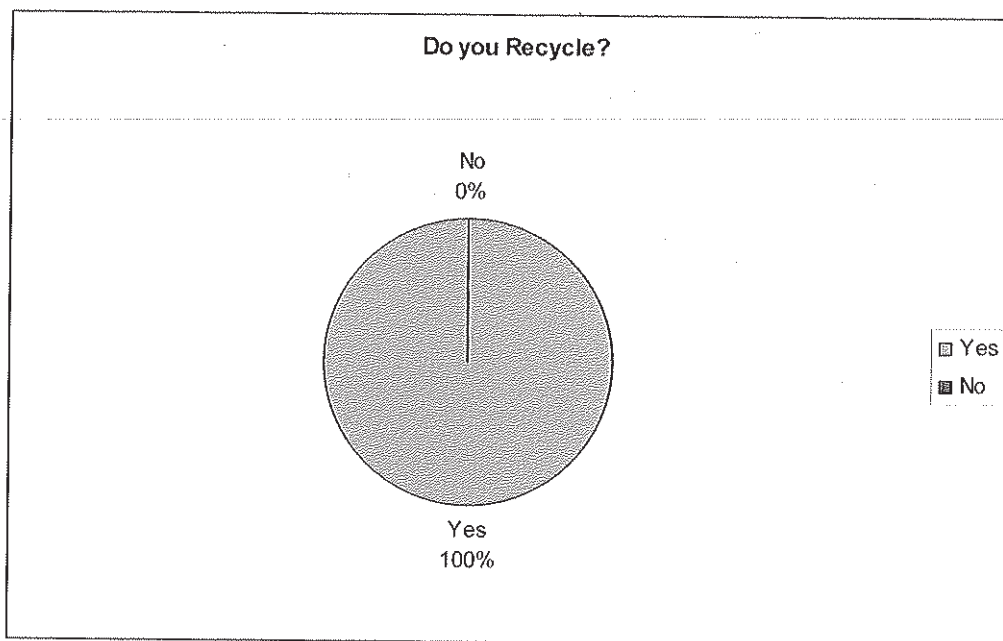
Reviewing Primary Research -

*researched a range of information*

I produced a questionnaire to gain information related to my topic. Relevant questions were asked to 15 people from a range of ages about global warming and emissions. The questions I asked the people are:

- How many cars does your household own?
- Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.
- Please name any organisations that you can think of who support being environmentally friendly.
- Does your household recycle?
- Can you name the effects that global warming has on the earth?

The results are shown below.

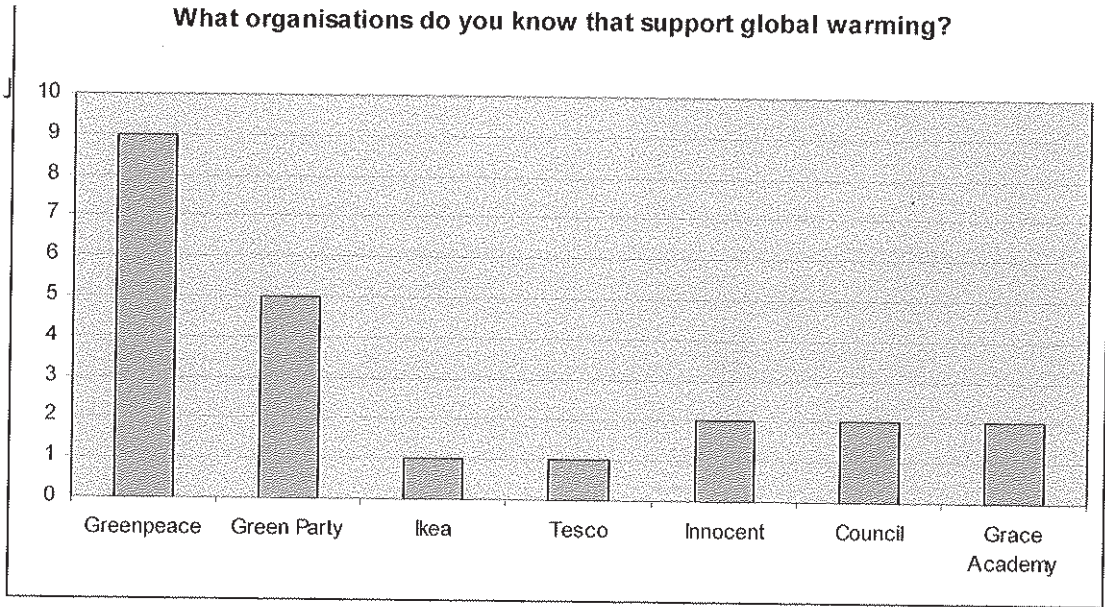


*AC3 technology*

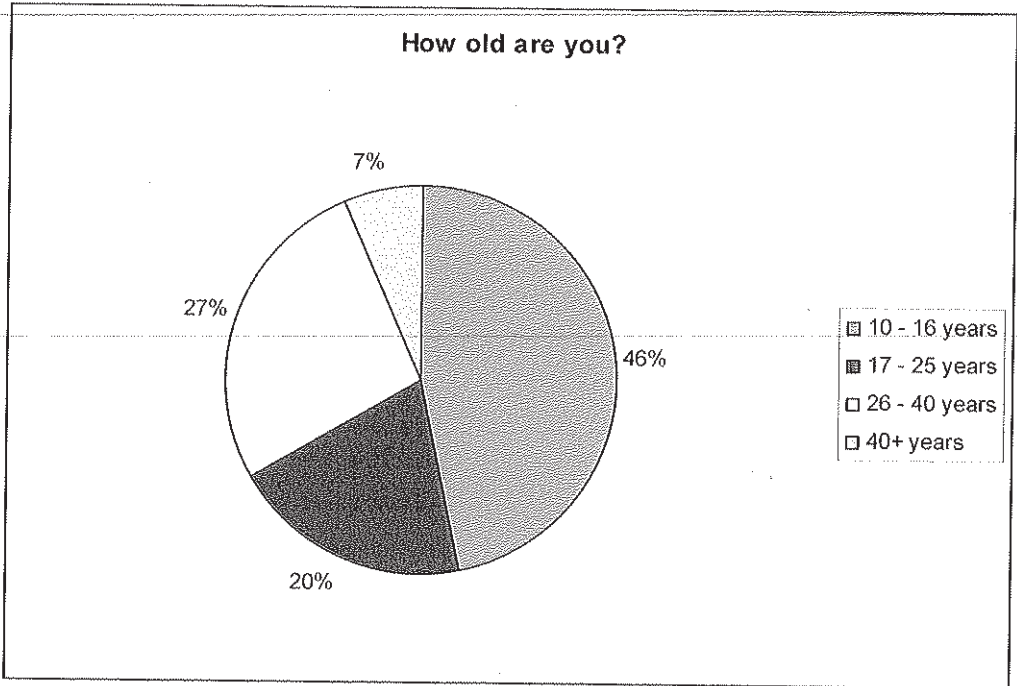
100% of the people who took this questionnaire stated that they recycle. This shows that the council are actively trying to influence people to recycle.

*Selected and collated information*





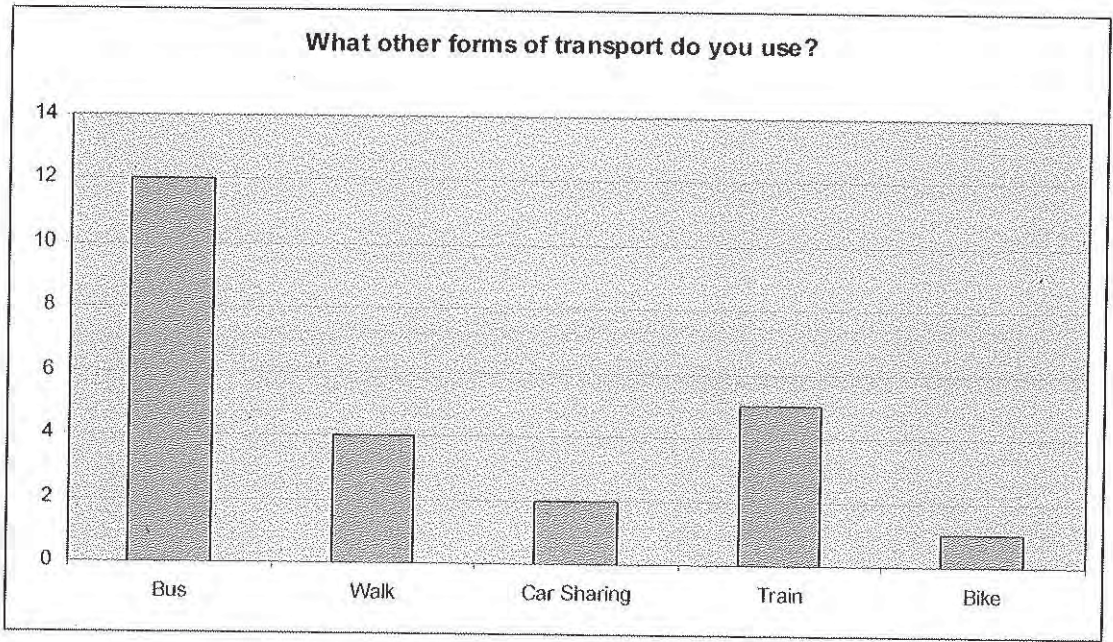
Almost every person knew an organisation that supports global warming. As you can see above, Green Peace is a well known organisation. Also the fairly large range on answers shows that many organisations are trying to become environmentally friendly.



*AC3  
worry  
with ones*

The majority of people who took the questionnaire were between 10 – 16 years. This may show an unbalanced view however, there is still a large range between the ages.

AC2



12 people said that they use a bus to save car emissions, this was the majority. Only one person mentioned that they use a bike as alternative transport. However, this graph shows that people are actively trying to reduce emissions.

another source

As primary research I also interviewed my science teacher, Mr Wickens, about global warming and gas emissions. Below is the script of the interview.

primary

Jodie: Hello Sir, do you agree to answer these questions truthfully and effectively?

Mr Wickens: Of course Jodie.

Jodie: What are the main effects of global warming on the earth?

AC3  
warning  
with effects

Mr Wickens: Well, there are many effects that global warming have on the earth, large and small. The main effects are temperatures rising which cause sea levels to rise due to melting ice caps. Also, the weather will rapidly change with extreme conditions such as tornados, hurricanes and flooding.

Jodie: Do you think that people are aware of these problems?

Mr Wickens: I think people are clearly aware of these problems however, they choose to ignore it. However, it is hard to know what to believe nowadays due to the media escalating the truth to sell a good story.

Jodie: Do you think that big businesses are doing all they can to help out?



Mr Wickens: I believe some businesses are doing very well by recycling, replanting trees and donating money to charity. However, some businesses concentrate too much on profit rather than helping the world around them.

AC2  
AC3

#### *Evaluation of primary research*

This research is all relevant to my project title. My findings from the questionnaire have improved my knowledge on public awareness even further. I would never have predicted that 100% of the people would recycle as a few years ago, it was very unpopular. Out of this research I will be using the information about recycling and knowledge of organisations. The knowledge of organisations show an array of organisations which shows that many people are trying harder to support the environment.

AC2

Selected  
info

The interview with Mr Wickens gave me expert knowledge and information to quote in my final report. Mr Wickens has experience within the Science area as he has a degree in physics. The information I will be quoting from our interview will be:

Links

- "The main effects are temperatures rising which cause sea levels to rise due to melting ice caps. Also, the weather will rapidly change with extreme conditions such as tornados, hurricanes and flooding."
- "I believe some businesses are doing very well by recycling, replanting trees and donating money to charity."

Selected  
info

These quotes will support my report as they give the effects of global warming and also show how humans are positively helping global warming.

When evaluating my primary research I have shown that I can select, collate and apply information effectively.

Ac 2  
primary

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

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Questionnaire –

Name:

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

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Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

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Please name any organisations that you can think of who support being environmentally friendly.

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Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

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Thank you for completing this survey.



A03  
Technology

	Person 1	Person 2	Person 3	Person 4	Person 5	Person 6	Person 7	Person 8	Person 9	Person 10	Person 11	Person 12	Person 13	Person 14	Person 15	Total
Age																
10 - 16 years	1	1	0	1	0	0	1	0	0	1	0	1	1	1	0	7
17 - 25 years	0	0	1	0	0	0	0	1	0	0	0	0	0	0	1	3
26 - 40 years	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	4
40+ years	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Amount of Cars																
1	0	0	0	0	0	1	1	1	0	1	0	1	1	1	0	7
2	0	1	0	0	1	0	0	0	1	0	1	0	0	0	1	5
3	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
4	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Other Transport																
Bus	1	1	0	1	0	1	0	1	1	1	1	1	1	1	1	12
Walk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Car Sharing	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Train	1	1	0	0	0	1	0	0	0	0	0	0	1	0	1	5
Bike	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Organisations?																
Greenpeace	1	1	1	1	0	0	0	0	1	1	0	0	1	1	1	9
Green Party	0	1	0	1	0	0	0	0	1	0	0	0	0	1	1	5
Ikea	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Tesco	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Innocent	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
Council	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	
Grace Academy	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2
Recycle																
Yes	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15
No	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Effects of Global Warming																
Temperature rising	1	1	0	1	1	0	1	0	1	0	1	1	1	1	1	11
Melting ice caps	1	1	1	0	1	1	1	1	0	1	0	0	0	0	1	9
Floods	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	3

ACZ

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

Reviewing Secondary Research -  
Articles/ Websites

researched a range of information,

Article 1 -

**URL:** [http://www.seattlepi.com/local/302204\\_warming02.html](http://www.seattlepi.com/local/302204_warming02.html)

**Title:** Scientists agree: Humans causing global warming

**Author/s:** Robert McClure and Lisa Stiffler

**Date Published:** 2<sup>nd</sup> February 2007

## Key Quotes:

"It is "very likely" – a 90 percent chance or better – that burning fossil fuels caused unnatural temperature increases over the last half-century."

"Temperatures are likely to rise from 2 to 11.5 degrees by 2100. (The world has warmed about 9 to 12 degrees since the depths of the last ice age 20,000 years ago.)"

## Views supporting and opposing:

- **Supporting:** This article is very biased and only contains views supporting its title. Every piece of research and every opinion are suggesting that human's a negatively contributing towards global warming.
- **Opposing:** None.

## Evaluation of Source:

This source contains good scientific information however; it is not entirely reliable as the source is bias. This information clearly shows how humans contribute towards global warming. There is scientific information and facts which support my title. Also, this information is backed up by a climatologist who specialises in issues relating to my project title. The report is written professionally and contains pictures and diagrams supporting its views. Also at the end on the report there is a 'highlights' section. This section helps the reader to determine the key points of the article.



Article 2 -

Selected, collated info from a wide range of sources

**URL:** <http://news.bbc.co.uk/1/hi/6321351.stm>  
**Title:** Humans blamed for climate change  
**Author/s:** Richard Black  
**Date Published:** 2<sup>nd</sup> February 2007

**Key Quotes:**  
"We can be very confident that the net effect of human activity since 1750 has been one of warming," co-lead author Dr Susan Solomon told delegates in Paris."  
"In 2001, it said that it was "likely" that human activities lay behind the trends observed at various parts of the planet; "likely" in IPCC terminology means between 66% and 90% probability."

**Views supporting and opposing:**

- **Supporting:** This article is also very biased and only contains facts and opinions that support its title.
- **Opposing:** None.

**Evaluation of Source:**  
As with many articles, they like to stick to the topic of the title and get the information across without contradicting it. This also shows in this article as it comes across as bias with no opposing views. The reporter for this article is an environmental correspondent, clearly showing that he is a specialist within the area of my project title. Also, the article contains information from reports published by the IPCC (The Intergovernmental Panel on Climate Change). This group is passionate about helping the earth's climate and frequently produces reports and research about our climate changing.

AC2

### Article 3 -

**URL:** <http://www.timesonline.co.uk/tol/news/world/article516033.ece>

**Title:** New proof that man has caused global warming

**Author/s:** Mark Henderson

**Date Published:** 18<sup>th</sup> February 2005

#### Key Quotes:

"It found that natural variation in the Earth's climate, or changes in solar activity or volcanic eruptions, which have been suggested as alternative explanations for rising temperatures, could not explain the data collected in the real world. Models based on man-made emissions of greenhouse gases, however, matched the observations almost precisely."

#### Views supporting and opposing:

- **Supporting:** This article clearly supports its title showing facts and figures based on the negative effects of humans.
- **Opposing:** None.

#### Evaluation of Source:

This source is over 5 years old and this information may not be as reliable anymore. It is also biased. However, it contains important facts and people's opinions. The Times Online is a trusted website for articles and contains articles on an array of subjects. The reporter is a science correspondent so he should obviously have knowledge about my project title. The actual article itself isn't entirely related to my title however it contains research that supports the idea of humans contributing towards greenhouse gases and global warming.

reliability of source

Newspaper



AC2

#### Article 4 -

**URL:** <http://library.thinkquest.org/J003411/causes.htm>

**Title:** Causes

**Author/s:** Not Published

**Date Published:** Not Included

#### **Key Quotes:**

"One natural cause is a release of methane gas from arctic tundra and wetlands. Methane is a greenhouse gas. A greenhouse gas is a gas that traps heat in the earth's atmosphere. Another natural cause is that the earth goes through a cycle of climate change. This climate change usually lasts about 40,000 years."

"Since CO<sub>2</sub> contributes to global warming, the increase in population makes the problem worse because we breathe out CO<sub>2</sub>. Also, the trees that convert our CO<sub>2</sub> to oxygen are being demolished because we're using the land that we cut the trees down from as property for our homes and buildings."

#### **Views supporting and opposing:**

- **Supporting:** All of the information is about the causes of global warming. Most of the page supports man contributing towards this.
- **Opposing:** Unlike the other websites, this website also suggests the natural causes of global warming.

#### **Evaluation of Source:**

This source isn't entirely reliable as there is no information about author or date. However, it is not biased like the other websites as it contains information about natural causes too. This website seems to be aimed at children/teenagers more than adults as it contains basic information however there are also some very good definitions. The website is about how global warming will affect people. The layout is very mediocre and basic. I would not use this website if I had to get scientific information.



ACC

## Books

### Book 1 –

/ another source

**Title:** The Climate Crisis: An Introduction Guide to Climate Change

**Author:** David Archer, Stefan Rahmstorf

**Date Published:** 2010

#### Key Quotes:

“The IPCC publishes reports called Scientific Assessments summarizing the state of every field every five years or so.”

“Mankind has been aware of the potential changes in climate for over a century. Louis Agassiz (1837) proposed that the mountains of his native Switzerland has once been covered with large ice sheets like those in Greenland and Antarctica.

#### Evaluation of Source:

This book is specifically published to highlight the crisis of climate change. All of the information inside the book has been extracted from scientific publications and research. The two quotes support my project title because the first one gives additional information about IPCC. The second quote shows some historic information supporting the idea of humans knowing about the climate changing. I found this book useful as it completely supported my project.

AC2

**Book 2 –**

**Title:** Global Warming: A Very Short Introduction  
**Author:** Mark Maslin  
**Date Published:** 2009

**Key Quotes:**

“The temperature of the Earth is determined by the balance between the input from energy from the Sun and the reflection of some of this energy back into space.”

“One of the ways in which we know that atmospheric carbon dioxide is important in controlling global climate is through the study of our past climate.”

**Evaluation of Source:**

This book seems to be very interesting and technical. However, it doesn't contain a lot of scientific facts or research. The book seems to give complex definitions of global warming. I didn't find this book as useful as the first or as useful as some of the other articles. The book does contain very informative pictures and diagrams which demonstrate global warming in action. Overall, this book seems to be a reliable source and would be used when defining global warming.

*reliability of source*

*applying information***Which sources will I use?**

All of these sources contain information relevant to my project title. When evaluating my sources I have shown that I can collate information from a range of sources. I have also shown that I can effectively select information that is relevant.

Out of the six sources evaluated above, I shall only select a few to use in my final report. These sources will be Article 1, 2, 4 and Book 1. These sources have been selected because their information I have selected supports my project title.

Article 1 and 2 contains scientific information, research and facts. These articles will show how I can expand my knowledge about my specific topic into a deeper understanding. Article 4 is useful for giving a definition about global warming and also contains an unbiased view. Book 1 contains additional research about an organisation who actually tries to help global warming showing positive effects of humans on global warming. It also contains some historical information about detecting climate change.



AC2

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

## Bibliography

*wide range of sources*

**URL:** [http://www.seattlepi.com/local/302204\\_warming02.html](http://www.seattlepi.com/local/302204_warming02.html)  
**Title:** Scientists agree: Humans causing global warming  
**Author/s:** Robert McClure and Lisa Stiffler  
**Date Published:** 2<sup>nd</sup> February 2007

**URL:** <http://news.bbc.co.uk/1/hi/6321351.stm>  
**Title:** Humans blamed for climate change  
**Author/s:** Richard Black  
**Date Published:** 2<sup>nd</sup> February 2007

**URL:** <http://www.timesonline.co.uk/tol/news/world/article516033.ece>  
**Title:** New proof that man has caused global warming  
**Author/s:** Mark Henderson  
**Date Published:** 18<sup>th</sup> February 2005

**URL:** <http://library.thinkquest.org/J003411/causes.htm>  
**Title:** Causes  
**Author/s:** Not Published  
**Date Published:** Not Included

**Title:** The Climate Crisis: An Introduction Guide to Climate Change  
**Author:** David Archer, Stefan Rahmstorf  
**Date Published:** 2010  
**ISBN:** 978-0-521-40744-1

**Title:** Global Warming: A Very Short Introduction  
**Author:** Mark Maslin  
**Date Published:** 2009  
**ISBN:** 978-0-19-284097-4

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

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## Research Conclusions

### Project Outcomes

*analysis of project outcomes*

I predicted my project outcomes to be negative and to only show how humans negatively effect global warming. However, after my research I have been proven wrong. Clearly, humans are trying to help to improve global warming and to help the environment. My primary research has shown that 100% of the people recycled and various organisations were named that help the environment. Also, Mr Wickens also suggested ways that businesses are actively helping the environment. However, global warming is still happening and some research shows that they new the climate was changing even hundreds of years ago.

### Conclusions

*conclusions of project outcome*

After analysing various sources and information I have concluded that humans have caused global warming as well as natural causes. Humans have clearly known that climate change has been in affect from an earlier time however people were reluctant to help. Humans cause global warming through various actions such as gas emissions from cars, previously using CFCs, other transport such as aeroplanes etc. All of these actions could be reduced and people can clearly help the environment if they take their time to try.

### Links with other subjects

*links with other subjects*

This project links with Science, mainly Physics. However, it also has links to Geography and a slight link to Business. To support the links with Science I interviewed my Science teacher to get more research.

### Evaluation of the project

My project has a lot of relevance and value. It improved many of my skills such as research, interviewing, time keeping, organisational and knowledge. My project is completely relevant to my current studies in Science and is also relevant to today's current issues around the world. Also, it has plenty of value to me as I have improved my knowledge about the topic and have developed a new understanding of the skills I possess.

*evaluation of project - relevance + value*



*Evaluation of experiences*

I had a lot of new experiences when completing this project. I have also learnt new skills as mentioned above and expanded my knowledge. A new experience was conducting primary research and then collating the information to use later on.

This project could improve future progress as it has improved many skills that will be needed later in life. Also, this project has made me more interested in current issues which will also improve my future progress as I become more in touch with the current news.

improvement

If I had to do this project again, I would produce an action plan straight away to get myself organised easier. However, there was a lot of confusion about this project and we were given much less time to do it due to teacher's leaving school.

problem solving

Overall, this project has been a great experience and it has improved my knowledge about a topic I am interested in. Also, essential skills of mine have been greatly improved.

evaluation of experiences, learning and future progress

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

Questionnaire –

*collating info from sources*

Name:-

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

Bus, walk, train & car pooling

Please name any organisations that you can think of who support being environmentally friendly.

Green party

Green peace

Local Council

Supermarkets

Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

Global warming traps infrared & melts the ice caps.

This messes with natural weather patterns that causes great weather conditions like droughts, floods, hurricanes & gale force winds.

Thank you for completing this survey.

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

---

Questionnaire –

Name \_\_\_\_\_

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

---

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

walk, bus, train

---

---

Please name any organisations that you can think of who support being environmentally friendly.

Green piece

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Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

It's heating it up.

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Thank you for completing this survey.

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

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Questionnaire –

Name: 1,

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

---

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

Yes, occasionally buses

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Please name any organisations that you can think of who support being environmentally friendly.

Green Peace

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Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

Melting ice caps, rise in sea level

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Thank you for completing this survey.



# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

---

Questionnaire –

Name:

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

---

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

Buses, Walk

---

---

Please name any organisations that you can think of who support being environmentally friendly.

Green Peace  
Green Party

---

---

Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

Causes crazy weather

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---

Thank you for completing this survey.

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

---

Questionnaire –

Name:

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

---

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

Sometimes use bus.

---

---

Please name any organisations that you can think of who support being environmentally friendly.

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Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

Melting ice caps.

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---

Thank you for completing this survey.

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

---

Questionnaire –

Name: \_\_\_\_\_

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

15  
\_\_\_\_\_  
\_\_\_\_\_

Please name any organisations that you can think of who support being environmentally friendly

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

Melts ice caps! poor polar bears & It  
also makes the climate change like  
a woman  
\_\_\_\_\_

Thank you for completing this survey.

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

---

Questionnaire –

Name:

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

0  1  2  3  4+

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

Train, Bus ...  
\_\_\_\_\_

Please name any organisations that you can think of who support being environmentally friendly.

Grace Academy  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

Melts icebergs, water overflows, starvation, death, war. Unless you believe that global warming is a myth.  
\_\_\_\_\_

Thank you for completing this survey.



# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

---

Questionnaire –

Name:

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

Sometimes walk.

---

---

Please name any organisations that you can think of who support being environmentally friendly.

Ikea

---

Tesco

---

Innocent.

---

---

Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

Melting ice-caps

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Rise in temperature

---

---

Thank you for completing this survey.

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

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Questionnaire –

Name: samantha Groves.

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

bus

---

---

Please name any organisations that you can think of who support being environmentally friendly.

green peace

green party

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---

Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

temperature rise

floods?

---

---

Thank you for completing this survey.

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

---

Questionnaire –

Name: \_\_\_\_\_

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

Pedal bike  
\_\_\_\_\_  
\_\_\_\_\_

Please name any organisations that you can think of who support being environmentally friendly.

Green Peace  
City council (recycling)  
\_\_\_\_\_  
\_\_\_\_\_

Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

Rising sea level due to ice caps melting  
\_\_\_\_\_  
\_\_\_\_\_

Thank you for completing this survey.

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

---

Questionnaire –

Name:

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

train, bus

---

---

Please name any organisations that you can think of who support being environmentally friendly.

green peace  
green party

---

---

Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

temperature rising, melting ice caps

---

---

Thank you for completing this survey.



# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

---

Questionnaire –

Name: \_\_\_\_\_

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

car share, busses, trains

---

---

Please name any organisations that you can think of who support being environmentally friendly.

Greenpeace

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Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

yes, rising temperatures leading to melting ice caps

---

---

Thank you for completing this survey.

# How Do Humans Contribute towards Greenhouse Gas Emissions and Global Warming?

---

Questionnaire –

Name:

Age: 10 – 16  17 – 25  26 – 40  40+

How many cars does your household own?

1  2  3  4+

Do you find other ways of transport to save emissions emitted by cars? If yes, state what you use.

Yes use buses

---

---

Please name any organisations that you can think of who support being environmentally friendly.

---

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Does your household recycle?

Yes  No

Can you name the effects that global warming has on the Earth?

getting hotter.

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Thank you for completing this survey.