Write your name here		
Surname		Other names
Edexcel GCSE	Centre Number	Candidate Number
Unit 3: Citizenship i	in Context	
Monday 23 May 2011 – Afr	ternoon	Paper Reference
Time: 1 hour 15 minutes		5CS03/3A
You must have: Sources Booklet (enclosed)		Total Marks

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
 - there may be more space than you need.

Information

- The total mark for this paper is 50.
- The marks for **each** question are shown in brackets
 - use this as a guide as to how much time to spend on each question.
- Questions labelled with an asterisk (*) are ones where the quality of your written communication will be assessed
 - you should take particular care on these questions with your spelling, punctuation and grammar, as well as the clarity of expression.

Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.

P 3 8 3 9 2 A 0 1 1 2

edexcel advancing learning, changing lives

Turn over ▶

P38392A

Study the sources in the Sources Booklet.

Answer ALL questions.

For Questions 1–7, choose an answer A, B, C or D and put a cross in the box ⊠. Mark only one answer for each question. If you change your mind about an answer, put a line through the box ⊠ and then mark your new answer with a cross ⊠.

1	Which Source	area of the UK would be worst affected by the rise in sea levels projected in A?	(1)
	⊠ A	South and East of England	
	⊠ B	North and West of England	
	⊠ C	Scotland	
	⊠ D	Wales	
2	Accord	ing to Source B, each of the following contribute to methane emissions except	(1)
	⊠ A	COWS	
	⊠ B	landfill sites	
	⊠ C	road vehicles	
	⊠ D	sheep	
3		ing to the bar chart in Source C, in which West London borough were recycling west in 2008/09?	(1)
	⊠ A	Brent	
	⊠ B	Ealing	
	⊠ C	Hillingdon	
	⊠ D	Hounslow	
4	Accord	ing to Source C, the greatest saving from recycling is achieved	(1)
	A	in air pollution when we recycle paper	
	⋈ B	in energy when we recycle aluminium	
	⊠ C	in air pollution when we recycle glass	
	⋈ D	in energy when we recycle paper	

5	Source B points out that 'methane is a greenhouse gas which causes 20 times as much global warming as carbon dioxide'. This statement is a fact rather than an opinion because		
	becaus		(1)
	⊠ A	it can be proved to be true	
		it cannot be proved to be true	
	⊠ C	it has been stated on a radio programme	
	⊠ D	it has been stated on the internet	
6		finition 'resource use that aims to meet both current and future human needs preserving the environment' refers to	(1)
	⊠ A	carbon footprint	
	В	conservation	
	⋈ C	sustainable development	
	⊠ D	environmental impact	
7	In Sour	ce D, biomass production is criticised because it	(1)
	⊠ A	produces heat for homes and industry	
	⊠ B	uses production that would otherwise go to landfill	
	⋈ C	helps the UK meet its 'renewables' targets	
	⊠ D	sometimes causes rainforests to be cut down	
		(Total for Questions 1–7 = 7 mai	rks)
8		st two actions, other than recycling, that a person could take to reduce their rbon emissions and energy use.	(2)
1			
•			
2			
		(Total for Question 8 = 2 mar	rks)



9	Using Source D, suggest one possible advantage of the greater use of biomass and		
	one possible disadvantage. (2)		
Ac	dvantage		
		•••••	
Di	sadvantage		
	(Total for Question 9 = 2 marks)		
10	If sea levels rose to cause the widespread flooding suggested in Source A, what would be the three biggest changes in the lives of people in the UK, compared to the		
	present day? (3)		
1.			
		•••••	
2 .			
3 .			
	(Total for Question 10 = 3 marks)		
	(control question of the control question of the contr		

11 Using Source C and your own knowledge, explain the most effective practical steps that would help communities to increase their rates of recycling.	(6)
(Total for Question 11 = 6 ma	arks)

(b) Give two reasons why the switch to renewable energy should not be delayed. (2)	policies promote renewable energy and discourage the use of two reasons why some individuals oppose these policies. (2)
(b) Give two reasons why the switch to renewable energy should not be delayed. (2)	
(b) Give two reasons why the switch to renewable energy should not be delayed. (2)	
(b) Give two reasons why the switch to renewable energy should not be delayed. (2)	
(2)	
(2)	
(Total for Question 12 = 4 marks)	s why the switch to renewable energy should not be delayed. (2)
(Total for Question 12 = 4 marks)	
(Total for Question 12 = 4 marks)	
(Total for Question 12 = 4 marks)	
(Total for Question 12 = 4 marks)	
(Total for Question 12 = 4 marks)	
(Total for Question 12 = 4 marks)	
(Total for Question 12 = 4 marks)	
(Total for Question 12 = 4 marks)	
(Total for Question 12 = 4 marks)	
	(Total for Question 12 = 4 marks)

(CO) or	e emissions is not as well understood as the need to reduce carbon dioxide nissions.
(CO ₂) ei	(3)
1	
2	
۷	
3	
	(Total for Question 13 = 3 marks)
	vidence from Source E and your own knowledge, do you agree that countries tled to sell or cut down their rainforest because 'they are our rainforests and
we'll do	what we like with them'?
Give rea	what we like with them'? sons for your opinion showing that you have considered an alternative point
	what we like with them'? sons for your opinion showing that you have considered an alternative point
Give rea	what we like with them'? sons for your opinion showing that you have considered an alternative point .
Give rea	what we like with them'? sons for your opinion showing that you have considered an alternative point .
Give rea	what we like with them'? sons for your opinion showing that you have considered an alternative point .
Give rea	what we like with them'? sons for your opinion showing that you have considered an alternative point .
Give rea	what we like with them'? sons for your opinion showing that you have considered an alternative point .
Give rea	what we like with them'? sons for your opinion showing that you have considered an alternative point .
Give rea	what we like with them'? sons for your opinion showing that you have considered an alternative point .
Give rea	what we like with them'? sons for your opinion showing that you have considered an alternative point .
Give rea	what we like with them'? sons for your opinion showing that you have considered an alternative point .
Give rea	what we like with them'? sons for your opinion showing that you have considered an alternative point .



(Total for Question 14 = 8 marks)
· · · · · · · · · · · · · · · · · · ·

*15 'The problems of global warming and climate change were created by the more economically developed countries (MEDCs). It is only fair that these problems should be solved by the MEDCs, not less economically developed countries (LEDCs).' Do you agree with this view? Give reasons for your opinion, showing you have considered **another point of view**. (15)You could consider the following points in your answer and other information of your own. Did the MEDCs know that industrial development would cause global warming and climate change? Does global warming affect just MEDCs or everyone? Why do LEDCs such as China and India think it is unfair that they should have to meet global targets? How could MEDCs help LEDCs to limit the effects of global warming before time runs out?





(Total for Question 15 = 15 marks)
TOTAL FOR PAPER = 50 MARKS





Edexcel GCSE

Citizenship Studies

Unit 3: Citizenship in Context

Option A: Environmental Change and Sustainable Development

Monday 23 May 2011 – Afternoon Sources Booklet Paper Reference

5CS03/3A

Do not return this booklet with the question paper.

Turn over ▶

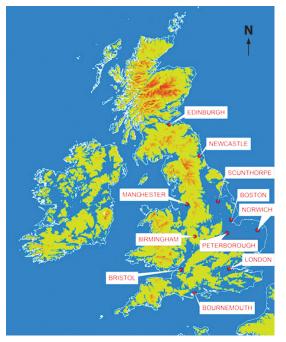




Study the following sources and answer the questions in the question paper.

Source A: What if global warming is not stopped and the ice melts?

The map shows what the UK would look like if all the world's ice melted and sea levels rose by about 80 metres. Many of the towns and cities shown on the map would be under water.



(Source: http://www.abuhrc.org/)
© Disaster MAN Limited

Source B: Cows or cars – which is the biggest cause of climate change?

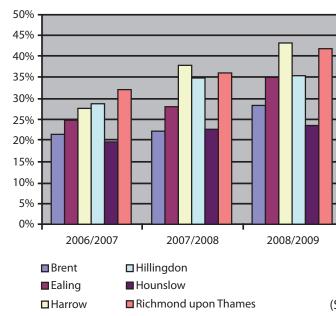


Methane is a greenhouse gas which causes 20 times as much global warming as carbon dioxide.

- It comes from both ends of cattle and sheep. This makes up about a quarter of the methane in Britain's atmosphere.
- Every day each of the UK's 10 million cows does as much damage to the atmosphere as one big car.
- The government wants scientists to develop new types of grass which will reduce the problem.
- Methane is also created from rotting material in landfill sites.

(Source: adapted from Lewis Smith at http://www.timesonline.co.uk)

Source C: Recycling rate increases in West London



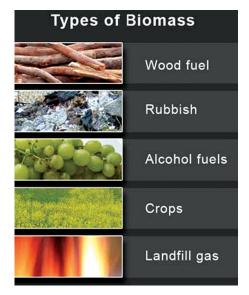
Far less energy is used in recycling than when unprocessed raw materials are used to manufacture goods. So recycling cuts down CO₂ emissions.

- Recycling aluminium, such as drinks cans, saves 95% of energy and cuts air pollution by 95%.
- Recycling paper saves on energy by 40% and cuts down air pollution by 70%.
- Recycling glass saves up to 30% on energy and cuts air pollution by 20%.

(Source: adapted from http://www.richmond.gov.uk)

Source D: Sustainability, biomass and the environment

Biomass is a source of renewable energy because it is produced from waste that would go into landfill. It is a very special kind of recycling.



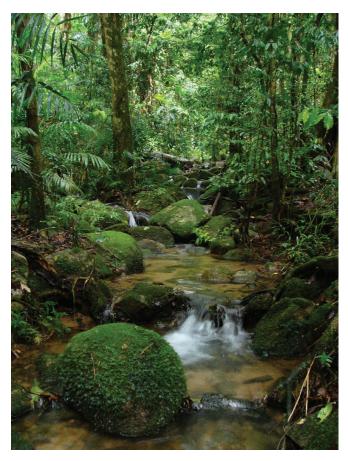
- It is the UK's largest source of green energy.
- It produces 2% of the UK's electricity, enough to power more than 2 million homes.
- It helps the UK meet its targets for the production of energy from renewable sources.
- Biomass production sometimes leads to the cutting down of rainforest.
- When land is used to grow biomass crops instead of food, this can lead to price rises, food shortages, hunger or death.
- Biomass schemes are less likely to be opposed by Not In My Back Yard (NIMBY) campaigners.

(Source: adapted from Tony Grayling in http://www.guardian.co.uk)

Source E: Rainforests in danger

The Amazon rainforests have long helped to slow down climate change yet now some are being sold off and destroyed.

- Some governments are effectively saying 'They are our rainforests and we'll do what we like with them'.
- The Amazon accounts for more than half the world's rainforest.
- Cutting down rainforest can cause the loss of many rare species which may have contributed to medical and other scientific advances in the future.
- Rainforests are now being damaged by drought which is caused by global warming.



(Source: adapted from http://www.impactlab.com)

