



Economic – Environmental Impact
Geography Marking Scheme
Higher Level

2013

Section 2 – Q8 B

B. Environmental Impact

Examine the environmental impact of burning fossil fuels.

[30m]

Environmental Impact identified	2 marks
Examination	14 x SRPs

- Credit 2nd named impact for 1 x SRP, all further impacts require examination.

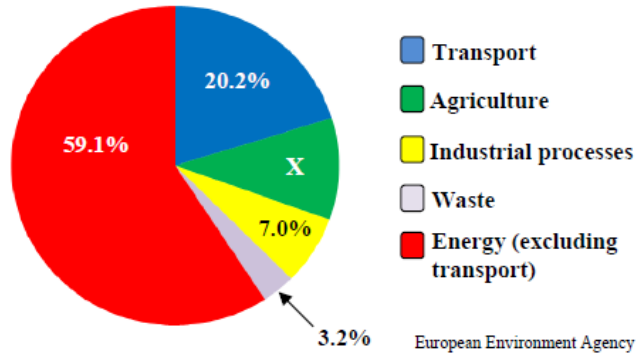
Section 2 – Q7 A

A. Greenhouse Effect

Total CO ₂ (Greenhouse Gas) Emissions, 2009	
Region	CO ₂ Emissions (million metric tons)
Africa	1,056
North America	6,954
Middle East	1,505
Asia and Oceania	11,219
Central & South America	1,384
Europe	4,720
Total	26,838

SAGE

Greenhouse Gas Emissions by Source Sector in Europe in 2009



European Environment Agency

Examine the information above and answer the following questions.

- Which region had the highest CO₂ (greenhouse gas) emissions and which region had the lowest CO₂ (greenhouse gas) emissions in 2009?
- Calculate X, the percentage of greenhouse gas emissions generated by agriculture in Europe in 2009.
- Briefly explain **one** reason why Energy (excluding transport) was the sector which produced the highest percentage of greenhouse gas emissions in Europe in 2009.
- Name **two** greenhouse gases other than CO₂.
- State **two** ways the greenhouse effect impacts on agriculture.

[20m]

Five parts @ 4 marks each

- | | | |
|-------|--------------------------|-------------|
| (i) | Highest = Asia & Oceania | 2 marks |
| | Lowest = Africa | 2 marks |
| (ii) | 10.5 | 4 marks |
| (iii) | Valid explanation | 2 + 2 marks |
| (iv) | Two greenhouse gases | 2 + 2 marks |
| (v) | Two impacts stated | 2 + 2 marks |

Q9 C

C. Conflict of Interest

Examine how conflict may develop between economic interests and environmental interests, with reference to example(s) that you have studied.

[30m]

Conflict identified	2 marks
Reference to example	2 marks
Examination	13 x SRPs

- Credit 2nd conflict identified for 1 SRP from examination
- Credit 2nd example referenced for 1 SRP from examination
- Examples can refer to region/conflict
- Max 6 x SRPs for discussion to one side of the argument only

2011

Section 2 – Q8 C

C. Environmental Impact

Pollution does not recognise boundaries and therefore can impact on the environment locally, nationally or internationally.

Examine the above statement with reference to example(s) that you have studied.

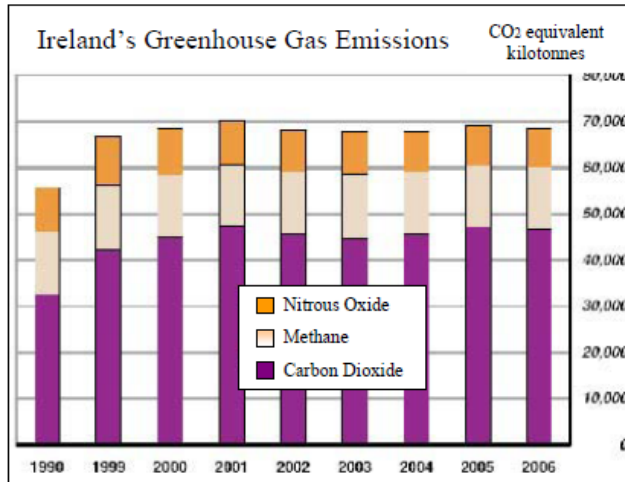
[30m]

Pollution source identified	2 marks
Impact outside source	2 marks
Example	2 marks
Examination	12 x SRPs

- A general discussion of environmental issues/pollution only - max 6 SRPs
- Give credit for 1 SRP for 2nd example from discussion.

Section 2 Q7 A

A. Environmental Impact



Examine the graph above and answer the following questions in your answer book:

- (i) Which Greenhouse gas makes up most of Ireland's gas emissions?
- (ii) In which year did Ireland emit 70,000 kilotonnes of greenhouse gas emissions?
- (iii) What was the trend in Ireland's emissions between 1990 and 2001?
- (iv) Explain **one** reason why Ireland should reduce its Greenhouse gas emissions.

[20m]

Four answers @ 5 marks each:

- (i) Carbon Dioxide
- (ii) 2001
- (iii) Increasing / Rising / Growing / Upward
- (iv) Any valid explanation (3 marks + 2 marks)

Q8 C

C. Conflicts of Interest

Examine how conflict can arise between local interests and global interests when a resource is exploited for economic reasons.

In your answer refer to an example of such conflict that you have studied.

[30m]

Conflict identified:	2 marks
Resource identified:	2 marks
Reference to one example:	2 marks
Examination:	12 x SRPs

- A second conflict may be credited from the examination SRPs
- Example can refer to region / conflict
- Max 6 SRPs for discussion to one side of the argument only
- Max 6 SRPs for discussion without reference to economic reason

2009

Section 2 – Q8 C

C. ENVIRONMENTAL IMPACT

Describe and explain the impact of the burning of fossil fuels on the environment.

[30m]

Environmental impact named:	2 marks
Examples of two fossil fuels named:	2 marks + 2 marks
Discussion:	12 x SRPs

- Discussion must refer to the environmental impact.
- Credit a max of 3 x SRPs for economic references.

Q9 B

B. ECONOMIC AND ENVIRONMENTAL INTERESTS

Conflict may develop between economic interests and environmental interests. Examine this conflict with reference to **one** example you have studied.

[30m]

Conflict identified:	2 marks
Reference to one example:	2 marks
Examination:	13 x SRPs

- Discussion of one side of the argument only - 6 x SRPs max
- A second conflict may be credited from the SRPs
- Example can refer to region / conflict.

2008

Section 2 – Q8 C

C. SUSTAINABLE DEVELOPMENT

Examine, with reference to an example/examples you have studied, the importance of ensuring that development is environmentally sustainable.

[30m]

Aspect identified:	2 marks
Named Example:	2 marks
Examination:	13 x SRPs

- General examination without reference to sustainability - max 6 x SRPs.
- Broad interpretation of 'development'.

Q9 C

C. GLOBAL ENERGY CONSUMPTION

Examine the economic **and** environmental significance of current major trends in global energy consumption.

[30m]

Major trend identified:	2 marks
Economic significance identified:	2 marks
Environmental significance identified:	2 marks
Examination:	12 x SRPs

- Discussion of one side of the argument only - max 6 x SRPs.

2007

Section 2 – Q7 C

C LOCAL & GLOBAL INTERESTS

Examine, with reference to examples you have studied, how conflict often occurs between the need to exploit natural resources and the need to protect the environment.

(30 marks)

Conflict identified: 2 marks
Reference to two examples: 2 marks + 2 marks
Examination: 12 x SRPs

- Discussion of one side of the argument only - 6 x SRPs max
- A second conflict may be credited from the SRPs
- Example can refer to region / conflict.

2006

Section 2 – Q8 B

B LOCAL AND GLOBAL INTERESTS

With reference to **one** example you have studied, examine how conflicts may develop between local and global interests where economic and environmental issues are concerned.

(30 marks)

Reference to example:	2 marks
Two conflicts identified	2 marks each
Discussion:	10 SRPs
Overall coherence:	4 marks graded

- At least two of the 4 operative words to be referred to in discussion, otherwise OC = 0m.

Q9 C

C FOSSIL FUELS

Examine the economic **and** environmental impact of our world's continued reliance on fossil fuels.

(30 marks)

Two impacts named:	2 marks each
Discussion:	11 SRPs
Overall coherence:	4 marks graded

- Economic and environmental impacts may overlap.
- If only one impact treated, OC = 0m.