



ES.R10 Theme 2.3: Global Environmental Problems and Solutions

Total Marks

AQA 8692 · Calculators not allowed · about 50 minutes

Name: _____ Date: ____ / ____ / ____

This pack contains reading tasks on global environmental problems and solutions. Answer all questions in English unless asked to write Spanish. Note: accents, the enye and inverted punctuation have been omitted in the Spanish passages for print compatibility. Time guidance: 50 minutes. At least two questions require full-sentence answers in English: these are indicated in the prompts.

- 1** Magazine article extract: 'El futuro del planeta' by a climate scientist describing causes and global effects of cambio climatico. Read the extract and then answer questions 1-6 in English.
- (a) 1. According to the article, give one human cause of cambio climatico mentioned in the extract. (1)
- (b) 2. Name two global effects of climate change listed in the extract. (Give both in English.) (2)
- (c) 3. The extract says which countries have historically emitted the most greenhouse gases? Answer in English. (1)
- (d) 4. Multiple choice: What global solution does the article explicitly mention? A energy saving at home, B reforestation only in one country, C renewable energy, D stopping all trade. Choose A, B, C or D. (1)
- ☐ A
- ☐ B
- ☐ C
- ☐ D
- (e) 5. True or False. The extract claims that only poor countries are affected by climate change. Answer 'True' or 'False' in English. (1)

- (f) 6. In two details, explain why international cooperation is needed to reduce emissions, according to the article. Answer in English. Give two separate details in full sentences. (2)

(Total for Question 1 is 8 marks)

2 Campaign leaflet extract: an international NGO explains deforestation and worldwide effects and proposes three global actions. Read the leaflet and answer questions 7-11 in English.

- (a) 7. Give one global effect of deforestation mentioned in the leaflet. Answer in English. (1)
- (b) 8. One of the proposed actions is to invest in energy renewables. Explain briefly in English why the NGO links renewable energy to reduced deforestation. (2)
- (c) 9. Multiple choice: Which international action do they propose? A fund for coastal defences, B certification for sustainable forestry, C banning all agriculture, D shipping reductions. Choose A, B, C or D. (1)
- ☐ A
- ☐ B
- ☐ C
- ☐ D
- (d) 10. True/False/Not mentioned: The leaflet says replanting trees on a small scale in one city will solve global deforestation. Answer in English with 'True', 'False' or 'Not mentioned'. (1)

(Total for Question 2 is 5 marks)

3 Interview extract: a policy-maker discusses pollution and global regulations. Read the extract and answer questions 11-15 in English.

- (a) 11. According to the interview, where are microplastics found? Give two places in English. (2)
- (b) 12. Give one regulatory solution the interviewee proposes to reduce plastic pollution. Answer in English. (1)
- (c) 13. Multiple choice: Which of the following is NOT suggested in the interview? A support for biodegradable materials research, B technological recycling, C companies reporting environmental impact, D a complete ban on all plastic products. Choose A, B, C or D. (1)
- ☐ A
- ☐ B
- ☐ C
- ☐ D
- (d) 14. True or False. The interview claims that consumer information about supply chains can help governments make decisions. Answer 'True' or 'False' in English. (1)

(Total for Question 3 is 5 marks)

4 Short Spanish passage: actions individuals can take to proteger el planeta. Complete the gaps using words from the box. Read the passage and fill the gaps. Word box: reciclar, reducir, compartir, apagar, desenchufar, bicicleta, energia, plastik (deliberate misspelling).

(a) Gap 15: muchas personas eligen (15) _____ menos plastico (1)

(b) Gap 16: y (16) _____ mas. (1)

(c) Gap 17: En casa, es facil (17) _____ las luces cuando no se usan (1)

(d) Gap 18: y (18) _____ aparatos en standby (1)

(e) Gap 19: para ahorrar (19) _____ renovable cuando es posible. (1)

(Total for Question 4 is 5 marks)

5 Short factual text: a global plan summary describing renewable energy targets. Read the summary and answer questions 16-19 in English.

(a) 16. What percentage target for global electricity from renewables is mentioned? (1)
Answer in English or as a number.

(b) 17. True or False. The plan includes financial aid for poorer countries. Answer (1)
'True' or 'False' in English.

(c) 18. Give one sector named that the plan aims to reduce fossil fuel use in. Answer (1)
in English.

(d) 19. Multiple choice: Which of the following is NOT listed as needed to meet the (1)
target? A public and private investment, B sustained political commitment, C
stopping all trade between nations, D technology transfer. Choose A, B, C or D.

☐ A

☐ B

☐ C

☐ D

(Total for Question 5 is 4 marks)

6 Short reading: an international scientist comments on future risks of climate inaction. Read and then answer question 20 in English in one full sentence.

(a) 20. In one full sentence in English, give two different future risks the scientist (3)
mentions that would affect millions worldwide if global emissions are not
reduced.

(Total for Question 6 is 3 marks)

7 Short factual question: global cooperation mechanisms. Read the short prompt and answer Q21 in English briefly.

- (a) 21. Name two mechanisms mentioned that help tackle global environmental problems (give both in English). (2)

(Total for Question 7 is 2 marks)

8 Vocabulary recognition. Choose the correct English meaning of the Spanish word given. Read the prompt and answer Q22 in English by giving the letter.

22. 'energia renovable'

(Total for Question 8 is 1 mark)

9 Short item: identify who is primarily responsible for large historic emissions according to the reading materials. Answer Q23 in English.

23. Who have emitted the most greenhouse gases historically, according to the texts in this pack?

(Total for Question 9 is 1 mark)

10 Short inference: why is it important for companies to report environmental impact? Answer Q24 in English in one short sentence.

The interview recommends company reporting to enable informed decisions by consumers and governments.

(Total for Question 10 is 1 mark)

11 Short multiple choice: which global problem is linked to both deforestation and fossil fuel use in the texts? Read Q25 and choose A, B, C or D.

25. Which global problem do both deforestation and fossil fuel use contribute to? A ocean acidification, B climate change, C ozone depletion, D soil salinity.

(Total for Question 11 is 1 mark)

- 12** Short summary question: name one technological and one policy solution mentioned across the pack that address global environmental problems. Answer Q26 in English giving both items.
26. Provide one technological solution and one policy solution from the readings.

(Total for Question 12 is 1 mark)

Mark scheme · ES.R10 Theme 2.3: Global Environmental Problems and Solutions

Question 1

- (a) **B1** Mentioning burning fossil fuels / quema de combustibles fosiles
- **(a) Answer: Burning fossil fuels (quema de combustibles fosiles).**
- (b) **B1** One correct effect
- (b) **B1** Second correct effect
- **(b) Answer: Any two of: longer heatwaves; melting at the poles; rising sea level.**
- (c) **B1** Industrialised countries / developed countries
- **(c) Answer: Industrialised countries or developed countries.**
- (d) **B1** C - renewable energy
- **(d) Answer: C**
- (e) **B1** False - the extract says developing countries often suffer most but does not say only they are affected
- **(e) Answer: False**
- (f) **B1** One correct detail (e.g. emissions come from many countries worldwide; solutions require global policies as well as technological advances; rising sea levels threaten international coastal cities; industrialised countries have historically emitted more, implying shared responsibility; capturing carbon and renewable energy need coordinated global investment; no single country can stop melting ice or rising temperatures alone)
- (f) **B1** A second, different correct detail from the same list
- **(f) Answer: Any two distinct details such as: (1) emissions come from many countries so global action is needed; (2) solutions require international policies and shared technology like renewable energy and carbon capture.**

Question 2

- (a) **B1** Any one of: reduces global carbon storage; reduces biodiversity; alters water cycles causing droughts and extreme rains
- **(a) Answer: Examples: reduces carbon storage globally; reduces biodiversity; alters water cycles leading to droughts and extreme rains.**
- (b) **B1** Explanation: renewable energy reduces demand for wood as fuel
- (b) **B1** Explanation: lowering energy-driven pressure on forests helps prevent conversion of forests to fuel or farmland
- **(b) Answer: Because using renewable energy reduces the demand for wood as fuel and so reduces pressure to cut down forests and convert them to other uses.**
- (c) **B1** B - certification for sustainable forestry
- **(c) Answer: B**
- (d) **B1** Not mentioned - the leaflet does not claim small-city replanting will solve the global problem
- **(d) Answer: Not mentioned**

Question 3

- (a) **B1** One correct place
- (a) **B1** Second correct place
- **(a) Answer: Examples: in the oceans; in the food chain; in drinking water.**
- (b) **B1** Limiting production of single-use plastics or global agreements to do so
- **(b) Answer: Limiting production of single-use plastics through global agreements.**
- (c) **B1** D - a complete ban on all plastic products is not suggested
- **(c) Answer: D**
- (d) **B1** True - the extract says companies must inform about environmental impact so consumers and governments can decide
- **(d) Answer: True**

Question 4

- (a) **B1** reducir
- (a) **Answer: reducir**
- (b) **B1** reciclar
- (b) **Answer: reciclar**
- (c) **B1** apagar
- (c) **Answer: apagar**
- (d) **B1** desenchufar
- (d) **Answer: desenchufar**
- (e) **B1** energia
- (e) **Answer: energia**

Question 5

- (a) **B1** 60 percent or 60%
- (a) **Answer: 60 % (sixty percent).**
- (b) **B1** True
- (b) **Answer: True**
- (c) **B1** Transport or manufacturing/fabricacion
- (c) **Answer: Transport or manufacturing (fabricacion).**
- (d) **B1** C - stopping all trade between nations is not listed
- (d) **Answer: C**

Question 6

- (a) **B1** Mentioning migration/climate-driven migration as a risk
- (a) **B1** Mentioning increased tension over water and food resources or similar
- (a) **B1** Answer given in one clear full sentence
- (a) **Answer: Example: If global emissions are not reduced, the scientist warns of climate-driven migration and increased tensions over water and food that would affect millions worldwide.**

Question 7

- (a) **B1** One mechanism named
- (a) **B1** Second mechanism named
- (a) **Answer: Examples: international agreements and technology transfer.**

Question 8

- **B1** B - energy from natural sources that can be replenished
- **Answer: B**

Question 9

- **B1** Industrialised / developed countries
- **Answer: Industrialised or developed countries.**

Question 10

- **B1** A clear reason: so consumers and governments can make informed choices
- **Answer: So consumers and governments can make informed choices about environmental impact.**

Question 11

- **B1** B - climate change
- **Answer: B**

Question 12

- **B1** One correct technological solution and one correct policy solution mentioned
- **Answer: Example: technological = renewable energy or carbon capture; policy = international agreements or certification schemes for forests.**