



FR.R10 Theme 2.3: Global Environmental Problems and Solutions

AQA 8652 • Calculators not allowed • about 45 minutes

Total Marks

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Name: _____ Date: ____ / ____ / ____

Accents have been omitted for print compatibility, but you should write them correctly when answering. Answer the questions in English. Several questions require full sentences. Allow about 45 minutes for this booklet.

- 1** Text A, magazine article (global climate): "Le changement climatique affecte toute la planète. Les températures augmentent, les glaces fondent et les précipitations deviennent extrêmes. Les émissions de gaz à effet de serre proviennent surtout de l'industrie, de l'élevage et du transport. Pour limiter le réchauffement, le monde doit investir massivement dans les énergies renouvelables et réduire la déforestation." Identify the statement that best summarises the article.

- ☐ A: Only local actions can stop climate change.
- ☐ B: Global climate change is driven by human activity and needs investment in renewable energy and less deforestation.
- ☐ C: Climate change is caused only by natural cycles.
- ☐ D: Temperatures are stable but rainfall is decreasing.

(Total for Question 1 is 1 mark)

- 2** Text A continued: Fill the gaps using the word bank. Word bank: [températures, industrie, déforestation, renouvelables, glaciers]. "Les ____ augmentent. Les ____ fondent. Les émissions viennent de l'____. Il faut investir dans les énergies ____ et réduire la ____."

(Total for Question 2 is 3 marks)

- 3** Text B, campaign leaflet (global pollution): "La pollution plastique menace les oceans et la biodiversite mondiale. Chaque annee, des millions de tonnes de plastique arrivent dans la mer. Les pays, les entreprises et les consommateurs doivent agir: lois pour limiter les emballages, recyclage efficace, recherche de matieres biodegradables." For each statement below about Text B, circle True, False or Not mentioned. a) The leaflet gives a yearly quantity of plastic entering the sea. b) The leaflet says only consumers are responsible. c) The leaflet recommends biodegradable materials.

(Total for Question 3 is 3 marks)

- 4** Text B short answer: According to the leaflet, give two actions governments can take to reduce plastic pollution. Answer in English.

(Total for Question 4 is 2 marks)

- 5** Text C, interview extract (renewable energy and global cooperation): "Interview: 'Les energies renouvelables sont essentielles mais la transition doit etre mondiale. Certains pays riches financent des projets dans les pays pauvres, mais il faut plus de coordination internationale. La cooperation inclut transfert de technologie, formation et aide financiere.' " Multiple choice: Which benefit of international cooperation is NOT mentioned in the extract?

- ☐ A: Transfer of technology
- ☐ B: Training
- ☐ C: Financial aid
- ☐ D: Free trade agreements

(Total for Question 5 is 1 mark)

- 6 Text C matching task: Match the speaker's point to the phrase from the extract. Options: 1) 'some rich countries fund projects in poor countries' 2) 'the transition must be global' 3) 'more international coordination is needed'. Phrases: A) 'la transition doit etre mondiale' B) 'il faut plus de coordination internationale' C) 'certains pays riches financent des projets dans les pays pauvres'. Write the matching pairs as numbers with letters (e.g. 1-C).

(Total for Question 6 is 3 marks)

- 7 Text A inference: The article says 'les precipitations deviennent extremes'. Give one possible global consequence of more extreme precipitation mentioned or implied by the theme of the pack. Answer in English.

(Total for Question 7 is 2 marks)

- 8 Text B vocabulary multiple choice: In the leaflet, what does 'biodiversite' most nearly mean in English?

- ☐ A: Recycling
- ☐ B: Variety of plant and animal life
- ☐ C: Plastic waste
- ☐ D: Energy sources

(Total for Question 8 is 1 mark)

- 9 Text D, short global case note (solutions): "Les objectifs mondiaux comprennent: planter des milliards d'arbres pour lutter contre la deforestation, promouvoir l'energie solaire et eolienne, etablir des taxes sur le carbone et encourager la consommation responsable. Les entreprises doivent reduire les emissions et rendre les chaines d'approvisionnement durables." True or False: The note says companies should make supply chains sustainable.

(Total for Question 9 is 1 mark)

- 10** Text D gap-fill: Complete the English translation of part of the note. "Promouvoir l'énergie solaire et éolienne" = "Promote solar and ____ energy". "Établir des taxes sur le carbone" = "Introduce ____ on carbon". Provide both missing words in English.

(Total for Question 10 is 3 marks)

- 11** Text A and D synthesis true/false/not mentioned: The texts explicitly recommend planting trees, taxing carbon, and banning all international air travel. Mark T/F/N for each statement in that order.

(Total for Question 11 is 3 marks)

- 12** Text C deeper reading: The speaker says 'il faut plus de coordination internationale'. Give as many different examples as you can (up to four) from the pack of what international coordination could include. Answer in English.

(Total for Question 12 is 4 marks)

- 13** Critical inference: Using Texts A, B and D, suggest two related actions that both governments and companies could take to reduce global greenhouse gas emissions. Answer in English and give one short justification for each action.

(Total for Question 13 is 4 marks)

- 14** Global responsibility short task: From the whole pack, give one sentence in English that explains why global cooperation is important to protect the planet, using two reasons from the texts.

(Total for Question 14 is 5 marks)

- 15** Vocabulary precision: In Text A the phrase 'emissions de gaz a effet de serre' refers to which of the following in English? Choose one, then explain in English why option B is not a correct translation: A greenhouse gases, B greenhouse effect, C carbon sink, D air pollution generally.

- ☐ A: greenhouse gases
- ☐ B: greenhouse effect
- ☐ C: carbon sink
- ☐ D: air pollution generally

(Total for Question 15 is 2 marks)

- 16** Practical suggestion: From Text B and D, give one suggested change consumers can make to help reduce plastic pollution and one change to reduce personal carbon footprint. Answer in English. Each correct change gets 1 mark.

(Total for Question 16 is 2 marks)

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Question 1

- **B1** selecting option B, which summarises human causes and the need for renewable energy investment and reduced deforestation
- **Answer: B**

Question 2

- **B1** temperatures in the first gap
- **B1** glaciers in the second gap
- **B1** industrie in the third gap, renouvelables in the fourth and deforestation in the fifth (the five gaps count as 3 marks overall, credit any equivalent ordering that matches the sentence)
- **Answer: temperatures; glaciers; industrie; renouvelables; deforestation**

Question 3

- **B1** a) True, the leaflet mentions 'millions de tonnes' each year
- **B1** b) False, the leaflet says countries, companies and consumers must act
- **B1** c) True, the leaflet recommends searching for biodegradable materials
- **Answer: a) True; b) False; c) True**

Question 4

- **B1** laws to limit packaging (or 'limit packaging' / 'restrict single-use plastics')
- **B1** effective recycling systems (or 'improve recycling' / 'invest in recycling infrastructure')
- **Answer: Introduce laws to limit packaging and improve or implement effective recycling.**

Question 5

- **B1** selecting D, since transfer of technology, formation (training) and financial aid are all mentioned; free trade agreements are not
- **Answer: D**

Question 6

- **B1** 1-C
- **B1** 2-A
- **B1** 3-B
- **Answer: 1-C, 2-A, 3-B**

Question 7

- **B1** one correct consequence, such as increased flooding or damage to crops leading to food insecurity
- **B1** alternative plausible consequence, such as soil erosion, infrastructure damage or displacement of people (credit one of these with evidence of link to extreme precipitation)
- **Answer: For example, increased flooding damaging homes and crops, leading to food shortages or displacement of people.**

Question 8

- **B1** selecting B, variety of plant and animal life
- **Answer: B**

Question 9

- **B1** True, as the note explicitly mentions rendre les chaînes d'approvisionnement durables
- **Answer: True**

Question 10

- **B1** eolian / wind as the first missing word (wind)
- **B1** taxes as part of second phrase
- **B1** carbon as the second noun, giving 'taxes on carbon' (full acceptable answer: 'wind' and 'taxes' or 'wind' and 'taxes on carbon' counted as complete set)
- **Answer: wind; taxes (on carbon)**

Question 11

- **B1** planting trees = True (Text D mentions planting billions of trees)
- **B1** taxing carbon = True (Text D mentions taxes on carbon)
- **B1** banning all international air travel = Not mentioned (no text advocates a complete ban)
- **Answer: True; True; Not mentioned**

Question 12

- **B1** transfer of technology (from Text C)
- **B1** training or formation (from Text C)
- **B1** financial aid or funding for projects (from Text C or D)
- **B1** coordinated investment in renewable projects or shared recycling schemes (acceptable as alternative if clearly linked to international coordination)
- **Answer: For example: transfer of technology; training; financial aid; coordinated investment in renewables (any of these, up to four, for full marks).**

Question 13

- **B1** one relevant action (e.g. invest in renewable energy, introduce carbon pricing, reduce deforestation, improve supply-chain sustainability)
- **B1** justification for the first action linking it to emissions reduction (e.g. renewables replace fossil fuels, lowering emissions)
- **B1** a second distinct action (e.g. reforestation/stop deforestation, improve recycling or cleaner transport)
- **B1** justification for the second action explaining how it reduces emissions or prevents carbon release
- **Answer: Example: Governments and companies can invest in large-scale renewable energy (justification: replaces coal and gas, reducing emissions). They can also stop deforestation and plant trees (justification: preserves and increases carbon sinks, preventing CO2 release).**

Question 14

- **B1** one clear reason mentioned (e.g. need to share technology or funding)
- **B1** a second clear reason mentioned (e.g. coordinated policies like carbon taxes or international investment in renewables)
- **B1** a linking phrase showing why these two reasons require cooperation (e.g. to ensure fair access, avoid leakage, coordinate standards)
- **B1** relevance to planet protection (explicitly mentions emissions reduction, biodiversity protection or pollution reduction)
- **B1** coherent sentence-level English that combines the elements above
- **Answer: Global cooperation is essential because sharing technology and funding helps poorer countries adopt renewable energy, and coordinated policies like carbon taxes and reforestation stop emissions and protect biodiversity.**

Question 15

- **B1** identifying A as greenhouse gases
- **B1** explaining that greenhouse effect (B) names the warming process itself, not the gases that cause it
- **Answer: A - greenhouse gases; greenhouse effect (B) names the warming process itself, not the gases that cause it.**

Question 16

- **B1** consumer change to reduce plastic pollution, e.g. use less single-use packaging, choose biodegradable materials, reuse and recycle
- **B1** personal change to reduce carbon footprint, e.g. use public transport or cycle, consume less meat, choose renewable energy suppliers
- **Answer: Reduce single-use packaging or use reusable containers; travel by public transport or reduce meat consumption to lower your carbon footprint.**