

**Montgomery Academy**



**GCSE AQA Geography Flashcards**

*Physical B: The Living World*



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*Physical B: The Living World*



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Question(s)

What is an ecosystem?

3

*Topic: The Living World*

Question(s)

What is an ecosystem?

3

*Topic: The Living World*

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3

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Question(s)

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3

*Topic: The Living World*

*Answer(s)*

An ecosystem is a natural system of interdependent and interrelated living and non-living components.

4

*Answer(s)*

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4

Question(s)

Define the terms:

- (i) Producers
- (ii) Decomposers
- (iii) Food Chain

5

*Topic: The Living World*

Question(s)

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- (i) Producers
- (ii) Decomposers
- (iii) Food Chain

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5

*Topic: The Living World*

**Answer(s)**

- (i) **PRODUCERS** – these convert sunlight into sugars (glucose) through the process of photosynthesis
  - (ii) **DECOMPOSERS** – these break down plant and animal matter releasing nutrients back into the soil
  - (iii) **FOOD CHAIN** – these show the direct links between producers and consumers
- 6

**Answer(s)**

- (i) **PRODUCERS** – these convert sunlight into sugars (glucose) through the process of photosynthesis
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- 6

Question(s)

Define the terms:

- (i) Consumer
- (ii) Food Web
- (iii) Nutrient Cycle

7

*Topic: The Living World*

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- (i) Consumer
- (ii) Food Web
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*Topic: The Living World*

**Answer(s)**

- (i) **Consumer** – these get their energy from the food generated by the producer
- (ii) **Food web** – these show all the complex connections between producers and consumers in an ecosystem
- (iii) **Nutrient Cycle** – this is the way that nutrients are transferred through an ecosystem

8

**Answer(s)**

- (i) **Consumer** – these get their energy from the food generated by the producer
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8



Question(s)

Give an example of a small-scale ecosystem

9

*Topic: The Living World*

Question(s)

Give an example of a small-scale ecosystem

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*Topic: The Living World*

Question(s)

Give an example of a small-scale ecosystem

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*Topic: The Living World*

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*Topic: The Living World*

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Give an example of a small-scale ecosystem

9

*Topic: The Living World*

Question(s)

Give an example of a small-scale ecosystem

9

*Topic: The Living World*

Answer(s)

Pond, hedgerow or woodland (or any other small scale ecosystem)

10

Answer(s)

Pond, hedgerow or woodland (or any other small scale ecosystem)

10

Answer(s)

Pond, hedgerow or woodland (or any other small scale ecosystem)

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10

Question(s)

Explain how the removal of a primary producer can have an impact on an ecosystem.

11

*Topic: The Living World*

Question(s)

Explain how the removal of a primary producer can have an impact on an ecosystem.

11

*Topic: The Living World*

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Question(s)

Explain how the removal of a primary producer can have an impact on an ecosystem.

11

*Topic: The Living World*

**Answer(s)**

The removal of a primary producer can lead to the collapse of an ecosystem. By removing a primary producer, the food source of primary consumers is also removed which can lead to these organisms dying. In turn this removes the food source of secondary consumers leading to large scale devastation across the ecosystem.

12

**Answer(s)**

The removal of a primary producer can lead to the collapse of an ecosystem. By removing a primary producer, the food source of primary consumers is also removed which can lead to these organisms dying. In turn this removes the food source of secondary consumers leading to large scale devastation across the ecosystem.

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Question(s)

What is a biome?

13

*Topic: The Living World*

Question(s)

Question(s)

What is a biome?

13

*Topic: The Living World*

Question(s)

What is a biome?

13

*Topic: The Living World*

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*Topic: The Living World*

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13

*Topic: The Living World*

Answer(s)

**Biomes** are very large ecological areas on the earth's surface, with fauna and flora (animals and plants) adapting to their environment.

14

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14

Question(s)

Question(s)

Identify three of the world's major biomes

Identify three of the world's major biomes

15

*Topic: The Living World*

15

*Topic: The Living World*

Question(s)

Question(s)

Identify three of the world's major biomes

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15

*Topic: The Living World*

15

*Topic: The Living World*

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*Topic: The Living World*

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*Topic: The Living World*

Question(s)

Question(s)

Identify three of the world's major biomes

Identify three of the world's major biomes

15

*Topic: The Living World*

15

*Topic: The Living World*

**Answer(s)**

Any from tropical rainforest, taiga, hot desert, savanna, polar, deciduous forest, coniferous forest, Alpine, Mediterranean, tundra etc.

16

**Answer(s)**

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16



Question(s)

What are the main characteristics of these biomes?

17

*Topic: The Living World*

Question(s)

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17

*Topic: The Living World*

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*Topic: The Living World*

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17

*Topic: The Living World*



Question(s)

Describe the distribution of the tropical rainforest biome

19

*Topic: The Living World*

Question(s)

Describe the distribution of the tropical rainforest biome

19

*Topic: The Living World*

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*Topic: The Living World*

Question(s)

Describe the distribution of the tropical rainforest biome

19

*Topic: The Living World*

**Answer(s)**

Tropical rainforests are located between 10°N and 10°S of the Equator where temperatures stay near 28°C throughout the year. Rainforests typically receive over 2000mm of rain each year. The largest rainforests are in the Amazon in Brazil (South America), Democratic Republic of Congo (Africa) and Indonesia (South East Asia). Tropical rainforests are also found in Hawaii and the islands of the Pacific & Caribbean.

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20

Question(s)

Explain the distribution of the tropical rainforest biome

21

*Topic: The Living World*

Question(s)

Question(s)

Explain the distribution of the tropical rainforest biome

21

*Topic: The Living World*

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*Topic: The Living World*

Question(s)

Explain the distribution of the tropical rainforest biome

21

*Topic: The Living World*

Explain the distribution of the tropical rainforest biome

21

*Topic: The Living World*



Question(s)

Identify the main layers of found in the tropical rainforest ecosystem

23

*Topic: The Living World*

Question(s)

Identify the main layers of found in the tropical rainforest ecosystem

23

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*Topic: The Living World*

Question(s)

Identify the main layers of found in the tropical rainforest ecosystem

23

*Topic: The Living World*

Answer(s)

Emergent, canopy, under canopy,  
shrub and ground layer

24

Answer(s)

Emergent, canopy, under canopy,  
shrub and ground layer

24

Answer(s)

Emergent, canopy, under canopy,  
shrub and ground layer

24

Answer(s)

Emergent, canopy, under canopy,  
shrub and ground layer

24

Answer(s)

Emergent, canopy, under canopy,  
shrub and ground layer

24

Answer(s)

Emergent, canopy, under canopy,  
shrub and ground layer

24

Answer(s)

Emergent, canopy, under canopy,  
shrub and ground layer

24

Answer(s)

Emergent, canopy, under canopy,  
shrub and ground layer

24



Question(s)

Describe the characteristics of the emergent layer

25

*Topic: The Living World*

Question(s)

Question(s)

Describe the characteristics of the emergent layer

25

*Topic: The Living World*

Question(s)

Describe the characteristics of the emergent layer

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*Topic: The Living World*

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*Topic: The Living World*

Question(s)

Describe the characteristics of the emergent layer

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*Topic: The Living World*

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25

*Topic: The Living World*

Answer(s)

The Emergent layer consists of the tallest trees and are usually over 50 metres tall. The Kapok tree is an example of an emergent

26

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Question(s)

Describe the characteristics of the canopy layer

27

*Topic: The Living World*

Question(s)

Question(s)

Describe the characteristics of the canopy layer

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*Topic: The Living World*

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Question(s)

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*Topic: The Living World*

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*Topic: The Living World*

**Answer(s)**

The sea of leaves blocking out the sun from the lower layers is called the **canopy**. The canopy contains over 50% of the rainforest wildlife. This includes birds, snakes and monkeys. Lianas (vines) climb to the canopy to reach sun light. Epiphytes, or air plants, are also found in this layer. An epiphyte is an organism that grows on the surface of a plant and gets its moisture and nutrients from the air, rain, water or from debris gathering around it.

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28

Question(s)

Question(s)

Describe the characteristics of the under-canopy layer

Describe the characteristics of the under-canopy layer

29

*Topic: The Living World*

29

*Topic: The Living World*

Question(s)

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*Topic: The Living World*

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Question(s)

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29

*Topic: The Living World*

29

*Topic: The Living World*

Answer(s)

The **under canopy** mainly contains bare tree trunks and lianas. Lianas are vines that climb the vegetation in a bid to reach sunlight.

30

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Question(s)

Question(s)

Describe the characteristics  
of the shrub layer

Describe the characteristics  
of the shrub layer

31

*Topic: The Living World*

31

*Topic: The Living World*

Question(s)

Question(s)

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of the shrub layer

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31

*Topic: The Living World*

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*Topic: The Living World*

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Question(s)

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of the shrub layer

Describe the characteristics  
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31

*Topic: The Living World*

31

*Topic: The Living World*

Answer(s)

The **shrub layer** has the densest plant growth. It contains shrubs and ferns and other plants needing less light. Saplings of emergent and canopy trees can also be found here.

32

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32



Question(s)

Describe the characteristics of the forest floor

33

*Topic: The Living World*

Question(s)

Question(s)

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33

*Topic: The Living World*

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33

*Topic: The Living World*

*Answer(s)*

The **forest floor** is usually dark and damp. It contains a layer of rotting leaves and dead animals called litter. This decomposes rapidly (within 6 weeks) to form a thin humus, rich in nutrients. Below the rich top soil, the soil lacks nutrients. This is because nutrients are rapidly absorbed by vegetation.

34

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34

Question(s)

Describe three characteristics of the climate of the tropical rainforest ecosystem

35

*Topic: The Living World*

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*Topic: The Living World*

Question(s)

Describe three characteristics of the climate of the tropical rainforest ecosystem

35

*Topic: The Living World*

### Answer(s)

- Very wet with over 2,000 mm of rainfall per year.
  - Very warm with an average daily temperature of 28°C. The temperature never drops below 20°C and rarely exceeds 35°C.
  - The atmosphere is hot and humid.
  - The climate is consistent all year round.
- There are no seasons.

36

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36

Question(s)

Describe three characteristics of soil in the tropical rainforest ecosystem

37

Topic: The Living World

Question(s)

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Topic: The Living World

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Topic: The Living World

Question(s)

Describe three characteristics of soil in the tropical rainforest ecosystem

37

Topic: The Living World

**Answer(s)**

- Most of the soil is not very fertile.
- A thin layer of fertile soil is found at the surface where the dead leaves decompose.
- It is red in colour because it is rich in iron.
- Due to heavy rainfall the nutrients are quickly washed out of the soil.

38

**Answer(s)**

- Most of the soil is not very fertile.
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38

Question(s)

Why does the tropical rainforest have the greatest biodiversity of all ecosystems?

39

*Topic: The Living World*

Question(s)

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*Topic: The Living World*

Question(s)

Why does the tropical rainforest have the greatest biodiversity of all ecosystems?

39

*Topic: The Living World*

### Answer(s)

- The warm and very wet climate provides perfect conditions for plant growth.
- The wide range of plant species supports many different animals, birds and insects.
- Species have **adapted** to the conditions of the rainforest, e.g. trees and plants have shallow-reaching roots to absorb nutrients from the thin fertile layer in the soil.

40

### Answer(s)

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40



Question(s)

Identify 3 ways vegetation has adapted to the rainforest environment

41

*Topic: The Living World*

Question(s)

Identify 3 ways vegetation has adapted to the rainforest environment

41

*Topic: The Living World*

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*Topic: The Living World*

Question(s)

Identify 3 ways vegetation has adapted to the rainforest environment

41

*Topic: The Living World*

**Answer(s)**

Examples could include:

- Emergents
- Drip tips
- Waxy leaves
- Epiphytes
- Smooth trunks
- Thin bark
- Wide buttress roots
- Flexible leaf stems

42

**Answer(s)**

Examples could include:

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Question(s)

Question(s)

Explain 3 ways vegetation has adapted to the rainforest environment

Explain 3 ways vegetation has adapted to the rainforest environment

43

*Topic: The Living World*

43

*Topic: The Living World*

Question(s)

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*Topic: The Living World*

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43

*Topic: The Living World*

43

*Topic: The Living World*



Question(s)

Identify 3 ways animals have adapted to the rainforest environment

45

*Topic: The Living World*

Question(s)

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*Topic: The Living World*

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45

*Topic: The Living World*

**Answer(s)**

- Prehensile tail
- Bright colour
- Nocturnal
- Sharp claws
- Sticky foot pads
- Camouflage

46

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- Sticky foot pads
- Camouflage

46

**Answer(s)**

- Prehensile tail
- Bright colour
- Nocturnal
- Sharp claws
- Sticky foot pads
- Camouflage

46

**Answer(s)**

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- Bright colour
- Nocturnal
- Sharp claws
- Sticky foot pads
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- Nocturnal
- Sharp claws
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- Camouflage

46

Question(s)

Explain 3 ways animals has adapted to the rainforest environment

47

*Topic: The Living World*

Question(s)

Explain 3 ways animals has adapted to the rainforest environment

47

*Topic: The Living World*

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*Topic: The Living World*

Question(s)

Explain 3 ways animals has adapted to the rainforest environment

47

*Topic: The Living World*





Question(s)

How has the rate of deforestation changed over time?

49

*Topic: The Living World*

Question(s)

How has the rate of deforestation changed over time?

49

*Topic: The Living World*

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Question(s)

How has the rate of deforestation changed over time?

49

*Topic: The Living World*

Question(s)

How has the rate of deforestation changed over time?

49

*Topic: The Living World*

**Answer(s)**

The rate of rainforest deforestation around the world has **increased** over time. Around **half** of the world's tropical rainforest has now been cleared. Rates of deforestation increased in three continents containing tropical rainforest. These were **Asia** (Indonesia, Thailand and Malaysia), **Africa** (Mali and Madagascar) and **South America** (Bolivia, Guatemala and Peru).

50

**Answer(s)**

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50

Question(s)

Identify a tropical rainforest case study you have studied

51

*Topic: The Living World*

Question(s)

Identify a tropical rainforest case study you have studied

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*Topic: The Living World*

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*Topic: The Living World*

Question(s)

Identify a tropical rainforest case study you have studied

51

*Topic: The Living World*

Answer(s)

Malaysia

52

Answer(s)

Malaysia

52

Answer(s)

Malaysia

52

Answer(s)

Malaysia

52

Answer(s)

Malaysia

52

Answer(s)

Malaysia

52

Answer(s)

Malaysia

52

Answer(s)

Malaysia

52

Question(s)

Identify 4 causes of deforestation

53

*Topic: The Living World*

Question(s)

Identify 4 causes of deforestation

53

*Topic: The Living World*

Question(s)

Identify 4 causes of deforestation

53

*Topic: The Living World*

Question(s)

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Identify 4 causes of deforestation

53

*Topic: The Living World*

Question(s)

Identify 4 causes of deforestation

53

*Topic: The Living World*

Question(s)

Identify 4 causes of deforestation

53

*Topic: The Living World*

Answer(s)

Slash and burn, farming, logging,  
trans-migration, hydroelectric  
power, mining and road  
construction

54

Answer(s)

Slash and burn, farming, logging,  
trans-migration, hydroelectric  
power, mining and road  
construction

54

Answer(s)

Slash and burn, farming, logging,  
trans-migration, hydroelectric  
power, mining and road  
construction

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Answer(s)

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trans-migration, hydroelectric  
power, mining and road  
construction

54

Answer(s)

Slash and burn, farming, logging,  
trans-migration, hydroelectric  
power, mining and road  
construction

54

Question(s)

Give a brief description of each cause of deforestation

55

*Topic: The Living World*

Question(s)

Give a brief description of each cause of deforestation

55

*Topic: The Living World*

Question(s)

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*Topic: The Living World*

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Give a brief description of each cause of deforestation

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*Topic: The Living World*

Question(s)

Give a brief description of each cause of deforestation

55

*Topic: The Living World*





Question(s)

Identify 4 impacts of deforestation  
(including both economic and  
environmental impacts)

57

*Topic: The Living World*

Question(s)

Identify 4 impacts of deforestation  
(including both economic and  
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*Topic: The Living World*

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*Topic: The Living World*

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Identify 4 impacts of deforestation  
(including both economic and  
environmental impacts)

57

*Topic: The Living World*

**Answer(s)**

- Soil erosion
- Loss of biodiversity
- Climate change
- Economic development
- Loss of natural habitat
- Loss of native people's lands

58

**Answer(s)**

- Soil erosion
- Loss of biodiversity
- Climate change
- Economic development
- Loss of natural habitat
- Loss of native people's lands

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- Climate change
- Economic development
- Loss of natural habitat
- Loss of native people's lands

58

Question(s)

Explain 4 impacts of deforestation in your case study location

59

*Topic: The Living World*

Question(s)

Explain 4 impacts of deforestation in your case study location

59

*Topic: The Living World*

Question(s)

Explain 4 impacts of deforestation in your case study location

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*Topic: The Living World*

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*Topic: The Living World*

Question(s)

Explain 4 impacts of deforestation in your case study location

59

*Topic: The Living World*



Question(s)

Identify 3 strategies that can be used to manage the tropical rainforest sustainably

61

*Topic: The Living World*

Question(s)

Identify 3 strategies that can be used to manage the tropical rainforest sustainably

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*Topic: The Living World*

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Identify 3 strategies that can be used to manage the tropical rainforest sustainably

61

*Topic: The Living World*

**Answer(s)**

Any from:

- Selective logging
- Replanting
- Debt Reduction
- International Hardwood Agreements
- Ecotourism
- Conservation & Education

62

**Answer(s)**

Any from:

- Selective logging
- Replanting
- Debt Reduction
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62

Question(s)

Explain how two of the strategies are sustainable

63

*Topic: The Living World*

Question(s)

Explain how two of the strategies are sustainable

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*Topic: The Living World*

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63

*Topic: The Living World*





Question(s)

Describe the distribution of hot deserts

65

*Topic: The Living World*

Question(s)

Describe the distribution of hot deserts

65

*Topic: The Living World*

Question(s)

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*Topic: The Living World*

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*Topic: The Living World*

Question(s)

Describe the distribution of hot deserts

65

*Topic: The Living World*

**Answer(s)**

Hot deserts are mainly found around the **Tropics of Cancer and Capricorn**. The hot deserts of the world are located between 15° and 30° **north** or south of the equator. The largest hot desert is the **Sahara** in Africa which spans the whole width of the continent. Deserts are typically found towards the **west coast of continents**.

66

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66

Question(s)

Describe the typical climate of a hot desert ecosystem

67

*Topic: The Living World*

Question(s)

Describe the typical climate of a hot desert ecosystem

67

*Topic: The Living World*

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*Topic: The Living World*

Question(s)

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67

*Topic: The Living World*

**Answer(s)**

The climate is very **hot**. Hot deserts have two distinct seasons: **summer**, when the temperature ranges between 35-40°C, and **winter**, when the temperature ranges between 20-30°C. The climate is very **dry** with less than 250 mm of rainfall a year. Summer day time temperatures can exceed **40°C**. However, at night the temperature can drop below 0°C. Little or no rainfall occurs during the day.

68

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68

Question(s)

Describe three characteristics of soil in the desert ecosystem

69

*Topic: The Living World*

Question(s)

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*Topic: The Living World*

### Answer(s)

Characteristics of soil include:

- Desert soils are **thin, sandy, rocky** and generally grey in colour.
- Desert soils are **very dry**. They soak up water quickly when it does rain.
- The surface of the soil may appear **crusty**. This is due to the lack of rainfall. As it is so hot water is drawn up to the surface of the soil by **evaporation**. As the water evaporates, **salts are left behind on the surface** of the soil.

70

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70

Question(s)

Why does the hot desert have a low biodiversity compared to other ecosystems?

71

*Topic: The Living World*

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Why does the hot desert have a low biodiversity compared to other ecosystems?

71

*Topic: The Living World*

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*Topic: The Living World*

Question(s)

Why does the hot desert have a low biodiversity compared to other ecosystems?

71

*Topic: The Living World*

Answer(s)

The hot, dry climate is not suitable for many types of life

72

Answer(s)

The hot, dry climate is not suitable for many types of life

72

Answer(s)

The hot, dry climate is not suitable for many types of life

72

Answer(s)

The hot, dry climate is not suitable for many types of life

72

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72

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72



Question(s)

Identify 3 ways vegetation has adapted to the hot desert environment

73

Topic: The Living World

Question(s)

Identify 3 ways vegetation has adapted to the hot desert environment

73

Topic: The Living World

Question(s)

Identify 3 ways vegetation has adapted to the hot desert environment

73

Topic: The Living World

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Topic: The Living World

Question(s)

Identify 3 ways vegetation has adapted to the hot desert environment

73

Topic: The Living World

**Answer(s)**

Examples may include:

- Deep roots
- Shallow roots
- Small leaves
- Short life cycles
- Spines
- Succulents
- Wax coated leaves

74

**Answer(s)**

Examples may include:

- Deep roots
- Shallow roots
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Examples may include:

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74

Question(s)

Explain 3 ways vegetation has adapted to the hot desert environment

75

Topic: The Living World

Question(s)

Explain 3 ways vegetation has adapted to the hot desert environment

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Topic: The Living World

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Topic: The Living World

Question(s)

Explain 3 ways vegetation has adapted to the hot desert environment

75

Topic: The Living World



Question(s)

Identify 2 animals that have adapted to the hot desert environment

77

Topic: The Living World

Question(s)

Identify 2 animals that have adapted to the hot desert environment

77

Topic: The Living World

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77

Topic: The Living World

Question(s)

Identify 2 animals that have adapted to the hot desert environment

77

Topic: The Living World

Answer(s)

- Camels
- Desert (Fennec) Fox

78

Answer(s)

- Camels
- Desert (Fennec) Fox

78

Answer(s)

- Camels
- Desert (Fennec) Fox

78

Answer(s)

- Camels
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78

Answer(s)

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- Desert (Fennec) Fox

78

Answer(s)

- Camels
- Desert (Fennec) Fox

78

Question(s)

Question(s)

Explain 3 ways animals have adapted to the hot desert environment

Explain 3 ways animals have adapted to the hot desert environment

79

*Topic: The Living World*

79

*Topic: The Living World*

Question(s)

Question(s)

Explain 3 ways animals have adapted to the hot desert environment

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79

*Topic: The Living World*

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*Topic: The Living World*

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Explain 3 ways animals have adapted to the hot desert environment

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79

*Topic: The Living World*

79

*Topic: The Living World*

### Answer(s)

**Camels** - Long eyelashes and closing nostrils help to keep out sand. **Wide feet** so they don't sink in the sand. They can go **without water for over a week** because they can drink gallons in one go. They can go months without food - they **store fat in their humps**. They are **well camouflaged**. **Thick fur** helps to keep them warm at night  
**Desert Fox** - **Thick fur** on the soles of their feet, protecting them from the hot ground. **Burrow** to escape the heat. **Nocturnal** animals sleep during the day, sheltering to help prevent dehydration. Animals may **hibernate** during temperature highs or lows.

80

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80



Question(s)

Identify the hot desert case study you have studied

81

*Topic: The Living World*

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*Topic: The Living World*

Answer(s)

The Sahara

82

Answer(s)

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82

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82

Answer(s)

The Sahara

82

Answer(s)

The Sahara

82

Answer(s)

The Sahara

82

Answer(s)

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82

Answer(s)

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82

Question(s)

Describe its location

83

*Topic: The Living World*

Question(s)

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*Topic: The Living World*

Question(s)

Describe its location

83

*Topic: The Living World*

## Answer(s)



84

The Sahara is the world's largest hot desert and lies in **north Africa**. It is bordered by the Atlantic Ocean on the west, the Red Sea on the east, the Mediterranean Sea on the north and the Sahel on the south. The enormous desert **spans 11 countries**: Algeria, Chad, Egypt, Libya, Mali, Mauritania, Morocco, Niger, Western Sahara, Sudan and Tunisia.

## Answer(s)



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Question(s)

Identify four development opportunities in the hot desert area you have studied

85

*Topic: The Living World*

Question(s)

Identify four development opportunities in the hot desert area you have studied

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85

*Topic: The Living World*

### Answer(s)

- **Underground water stores** - Large quantities of fresh water stored in aquifers beneath the Sahara.
- **Tourism** - The coastline, oases, landscapes and sand dunes attract lots of visitors to Egypt, Tunisia and Morocco
- **Farming** - Land that is irrigated allows crops to grow
- **Oil & Gas** - Algeria and Libya has large stores of gas
- **Mineral Extraction** - Morocco is one of the biggest exporters of phosphates
- **Solar Energy** - Tunisia are building huge solar farms  
86

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86

Question(s)

Explain how two of these  
provide development  
**opportunities**

87

*Topic: The Living World*

Question(s)

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*Topic: The Living World*

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87

*Topic: The Living World*





Question(s)

Identify four development **challenges** in the hot desert area you have studied

89

*Topic: The Living World*

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*Topic: The Living World*

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89

*Topic: The Living World*

**Answer(s)**

- Salinisation
- Remoteness
- Desertification
- Extreme Heat
- Arid (Dry) Climate
- Thin Soils
- Existing Nomadic Populations
- Wind Erosion & Dust Storms

90

**Answer(s)**

- Salinisation
- Remoteness
- Desertification
- Extreme Heat
- Arid (Dry) Climate
- Thin Soils
- Existing Nomadic Populations
- Wind Erosion & Dust Storms

90

**Answer(s)**

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Question(s)

Explain how two of these provide development challenges

91

*Topic: The Living World*

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Question(s)

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91

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Question(s)

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91

*Topic: The Living World*



Question(s)

Define desertification

93

*Topic: The Living World*

Question(s)

Define desertification

93

*Topic: The Living World*

Question(s)

Define desertification

93

*Topic: The Living World*

Question(s)

Define desertification

93

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Define desertification

93

*Topic: The Living World*

Question(s)

Define desertification

93

*Topic: The Living World*

Answer(s)

Desertification is the process of fertile land turning into desert over time

94

Answer(s)

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Question(s)

Identify four causes of desertification

95

*Topic: The Living World*

Question(s)

Identify four causes of desertification

95

*Topic: The Living World*

Question(s)

Identify four causes of desertification

95

*Topic: The Living World*

Question(s)

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95

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95

*Topic: The Living World*

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95

*Topic: The Living World*

**Answer(s)**

- Climate Change
- Removal of trees for fuel
- Overgrazing
- Over-cultivation
- Population growth

96

**Answer(s)**

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Question(s)

Explain two causes of  
desertification

97

*Topic: The Living World*

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Question(s)

Identify four strategies to reduce desertification

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- Afforestation (Great Green Wall)
- Soil/Water Management
  - ⇒ Magic Stones (Burkina Faso), Ponding Banks, Contour Traps, Drip Irrigation
- Appropriate Technology
  - ⇒ Crop Rotation, Strip Farming, New Cattle Breeds, Solar Cookers
- Creation of National Parks

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