

The Living World




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Using this booklet

Welcome to the Internet Geography Work Booklet for the Living World – Ecosystems and Tropical Rainforest. There are a range of resources on Internet Geography to support you studying this unit. Head over to www.internetgeography.net/aqa-gcse-geography/the-living-world/ to access them.

As well as the resources in this booklet, there are a number of online quizzes to check your learning as you work your way through this booklet.

 This icon lets you know when you should attempt the online quizzes developed to support your learning and check your knowledge. Your scores should be recorded on the tracking table at the back of this booklet. It is useful to revisit the quizzes to help your learning stick.

QR codes are included throughout the booklet to support you in researching the information you need to complete the activities. You will need to download a free QR code scanner to your mobile phone or tablet. Just go to your app store and search for “QR Code scanner” and download a free one.

After each section in this booklet there is a summary page for you to record the main points for each sub-topic. We recommend you use dual coding for this. Dual coding sounds a bit complicated, however, it's not. It simply involves combining text and images when you are studying. There are many ways you can present text and images, such as with infographics, timelines, cartoon strips, diagrams, and graphic organisers. We've pulled together a guide to help you do this with examples on Internet Geography. Either go to <https://www.internetgeography.net/dual-coding/> or scan the QR code below.



The Physical Characteristics of a hot desert

There are a number of key words you need to know about hot deserts.

Complete the key terms list below by adding the correct definitions.

Hot desert	
Desertification	
Arid	
Overgrazing	
Diurnal temperature range	

Describe the location of the hot desert biome.



Describe the climate of the hot desert.



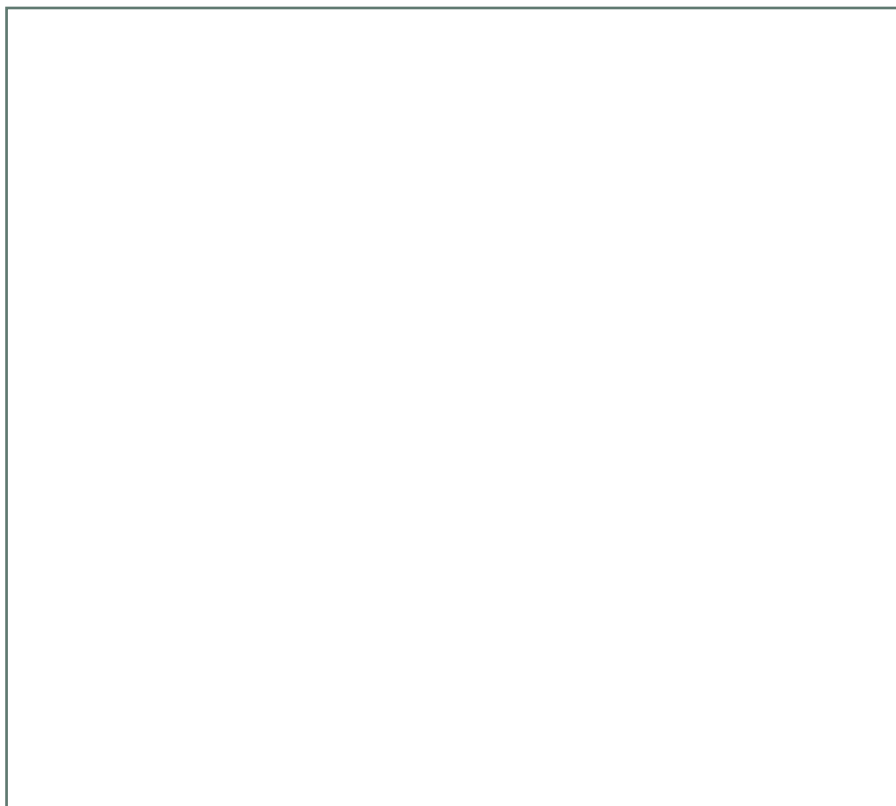
Explain why the deserts are hot and dry (arid).



What are the characteristics of soils in the hot desert?



Draw a labelled diagram to show a desert soil profile



Describe the vegetation typically found in the hot desert.

Why is water in short supply in the hot desert?

How have desert tribes, such as the Bedouin in Jordan, adapted their lifestyles to cope with the harsh conditions.



Check your learning

Head over to www.internetgeography.net/wb12 and complete the key word quiz. Add your score for quiz 1 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at <https://www.internetgeography.net/dual-coding/> if you need help with this.

How do plants and animals adapt to physical conditions?

Annotate the image below to explain how vegetation has adapted to the hot desert environment.



Explain three animal adaptations to the hot desert.



Draw a simple food web for a hot desert ecosystem of your choice.



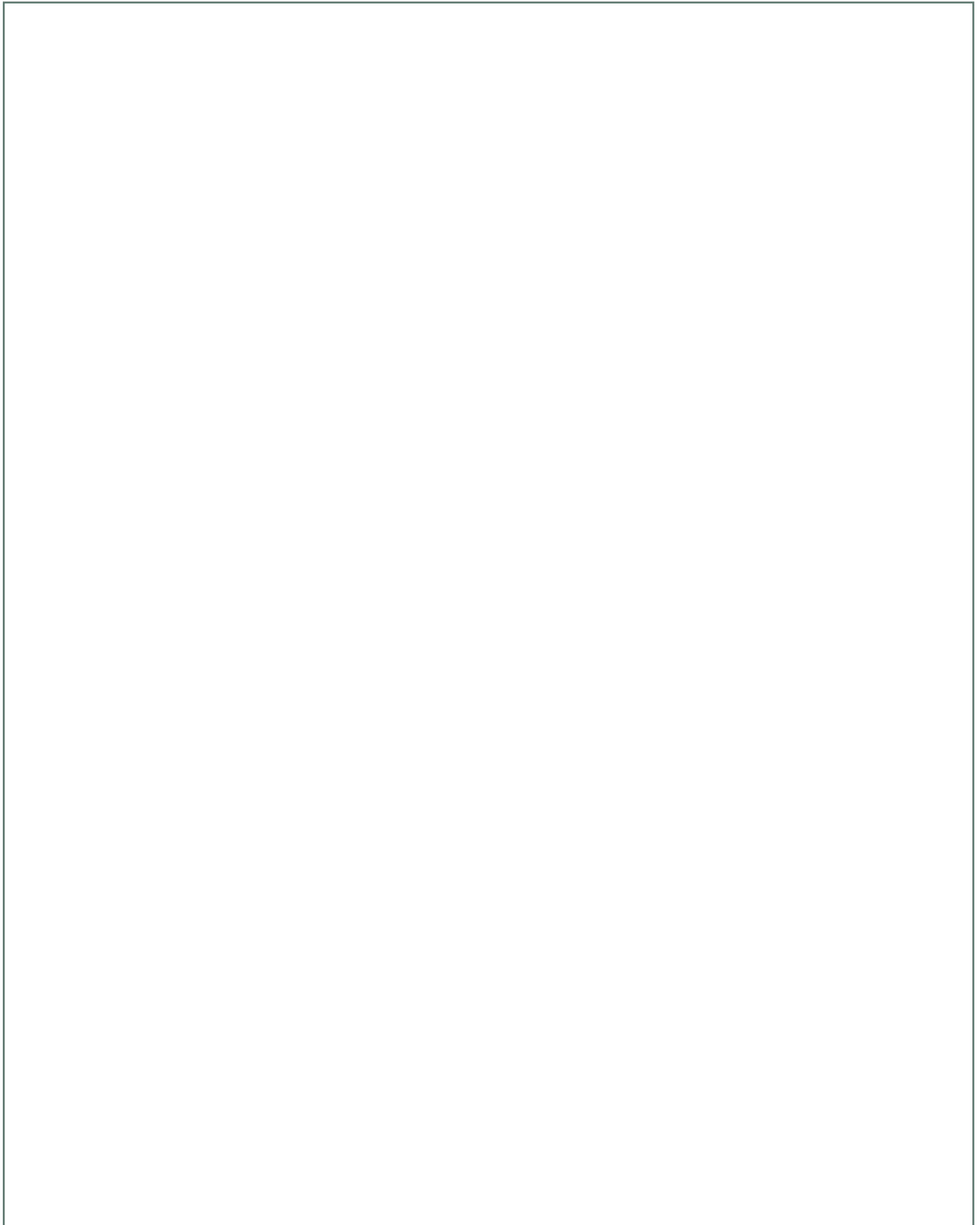
Check your learning

Head over to www.internetgeography.net/wb13 and complete the quiz. Add your score for quiz 2 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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Interdependence in hot desert environments

Identify three ways the various components in hot deserts are interdependent. You should consider interdependence between:



- climate
- water
- soils
- plants
- animals
- people

Explain how changes to one component in the hot desert can have an impact on the ecosystem.



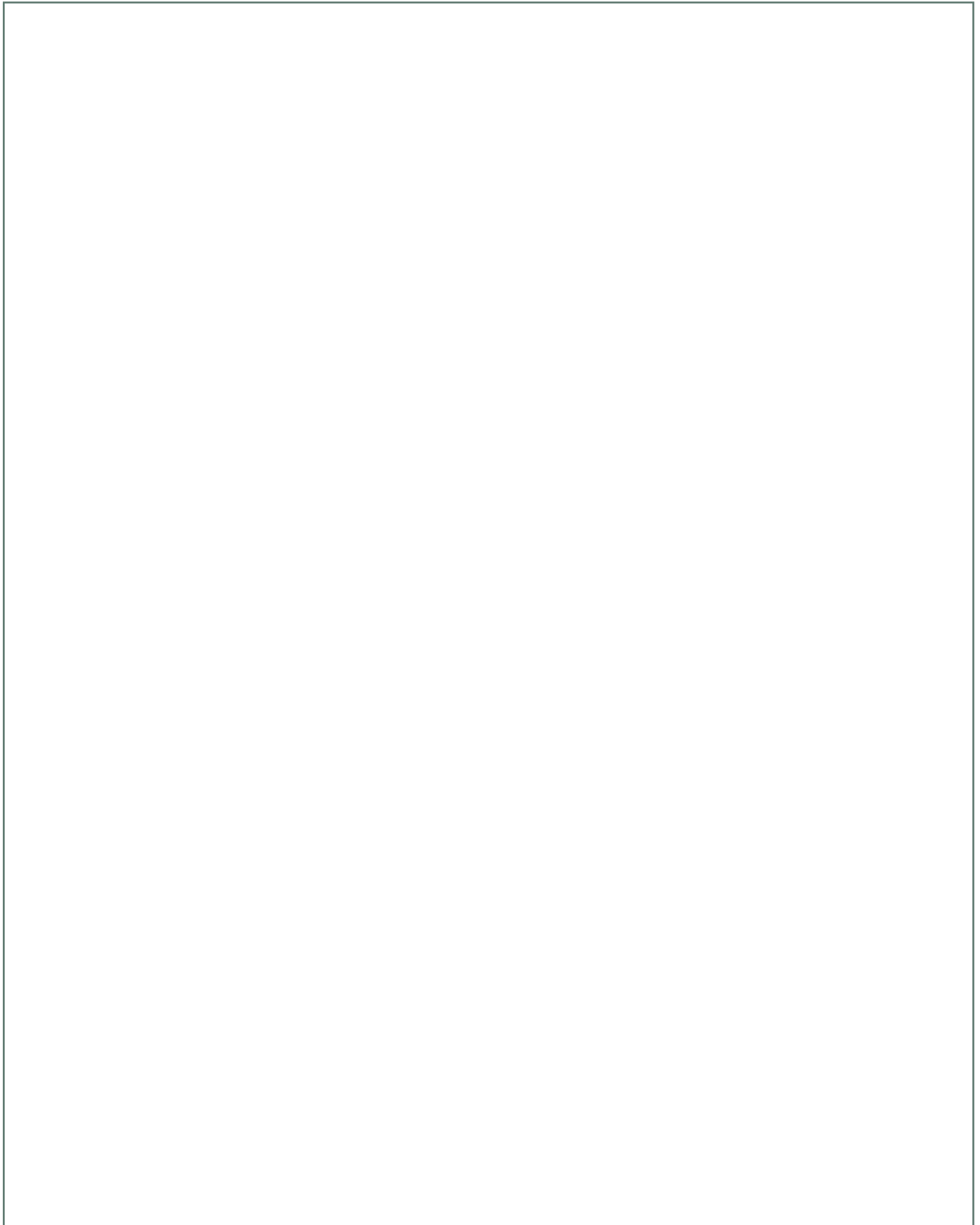
Check your learning

Head over to www.internetgeography.net/wb14 and complete the quiz. Add your score for quiz 3 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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Issues related to biodiversity

Define biodiversity.



How biodiverse are hot deserts?

Explain biodiversity in hot deserts.

What are the main threats to biodiversity in hot deserts?

Give an example of biodiversity under threat in an area you have studied.



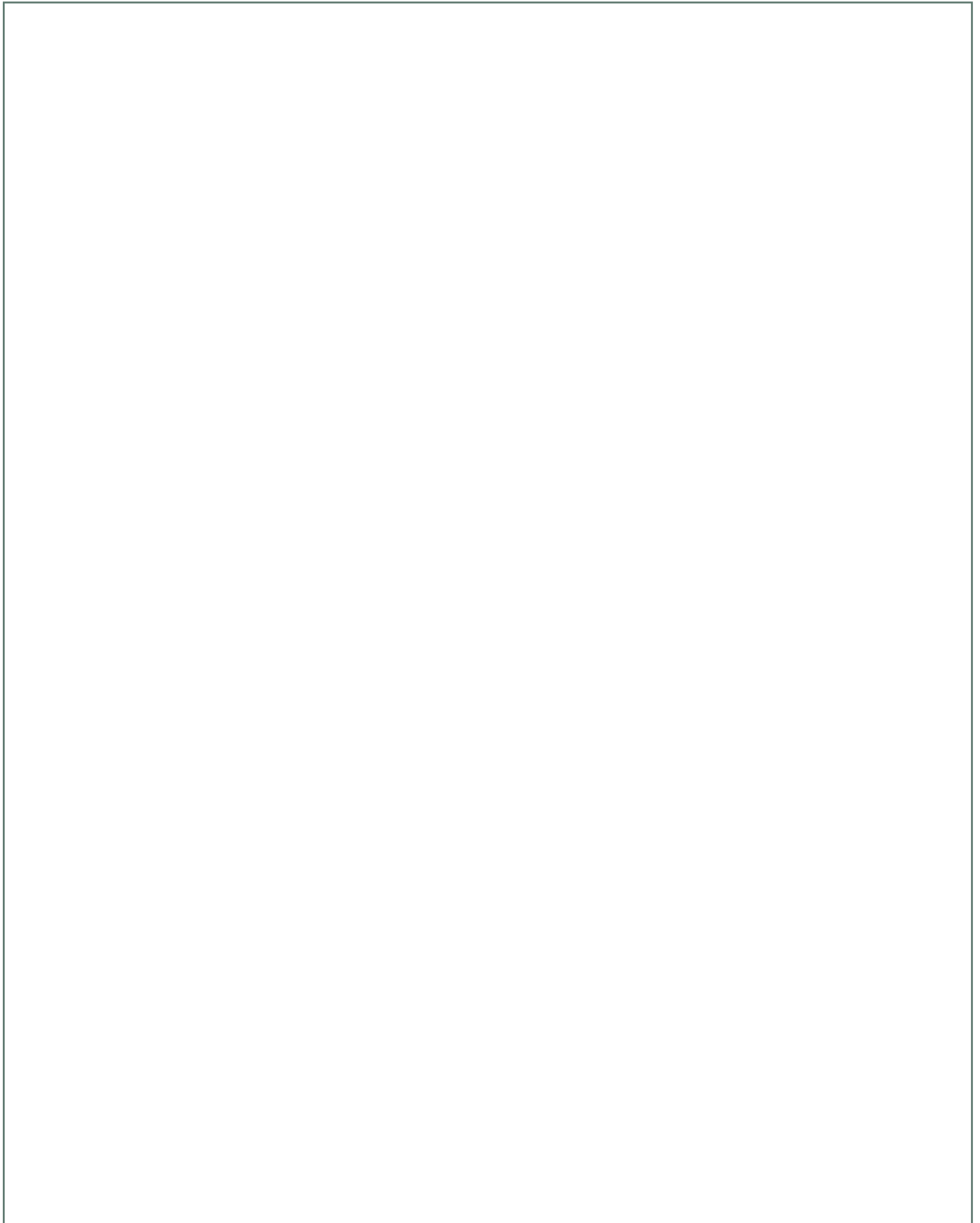
Check your learning

Head over to www.internetgeography.net/wb15 and complete the quiz. Add your score for quiz 4 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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A case study of a hot desert ecosystem

Development opportunities and challenges



Sahara

Case study: _____

Complete the table below to discuss the development opportunities and challenges in your case study location.

Development opportunities	Development challenges
Mineral extraction	Water supply
Energy	Inaccessibility
Farming	Extreme temperatures
Tourism	



Check your learning

Head over to www.internetgeography.net/wb16 and complete the quiz. Add your score for quiz 5 on the recording sheet.

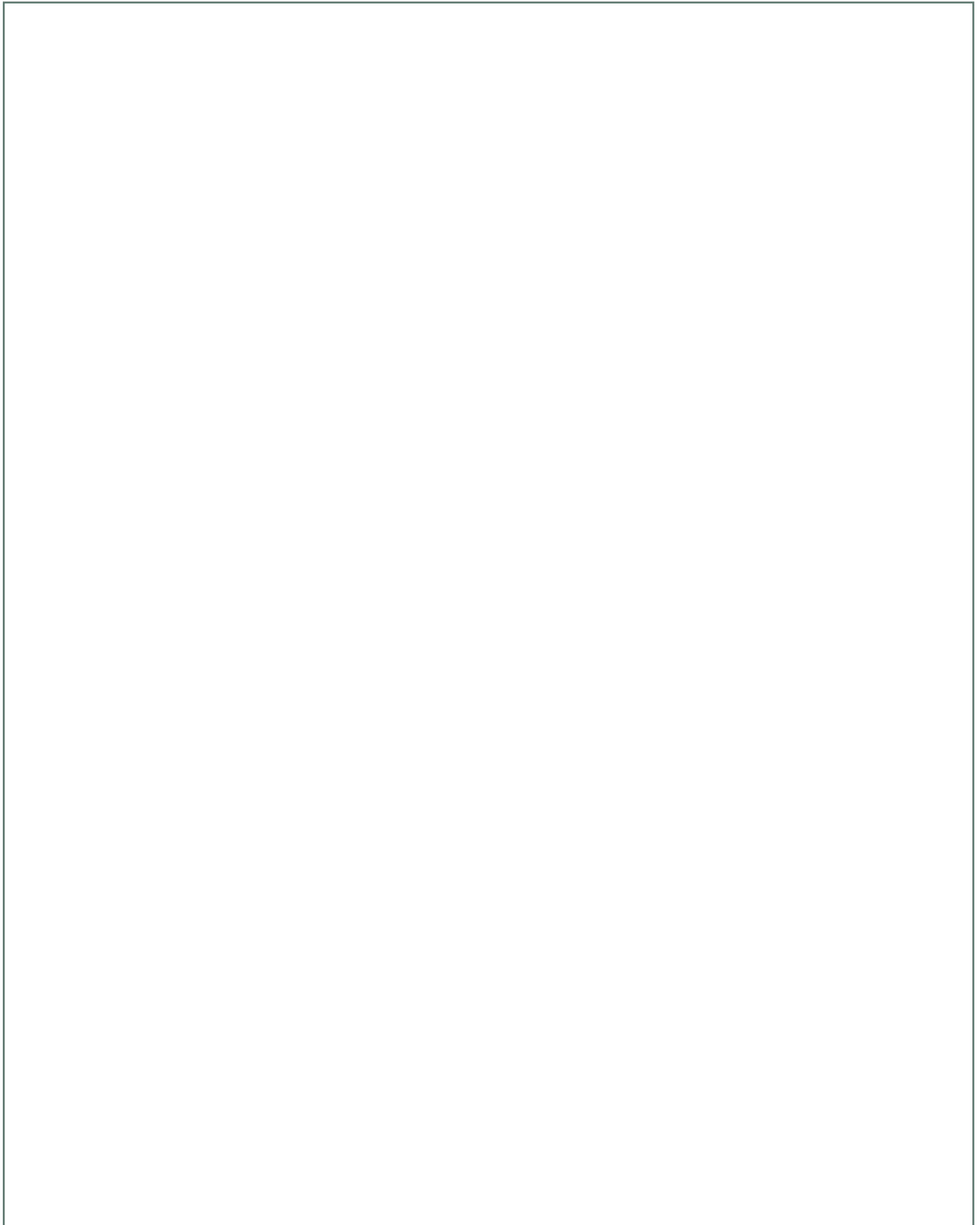
<https://www.internetgeography.net/aqa-gcse-geography/the-living-world/>

© Internet Geography

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

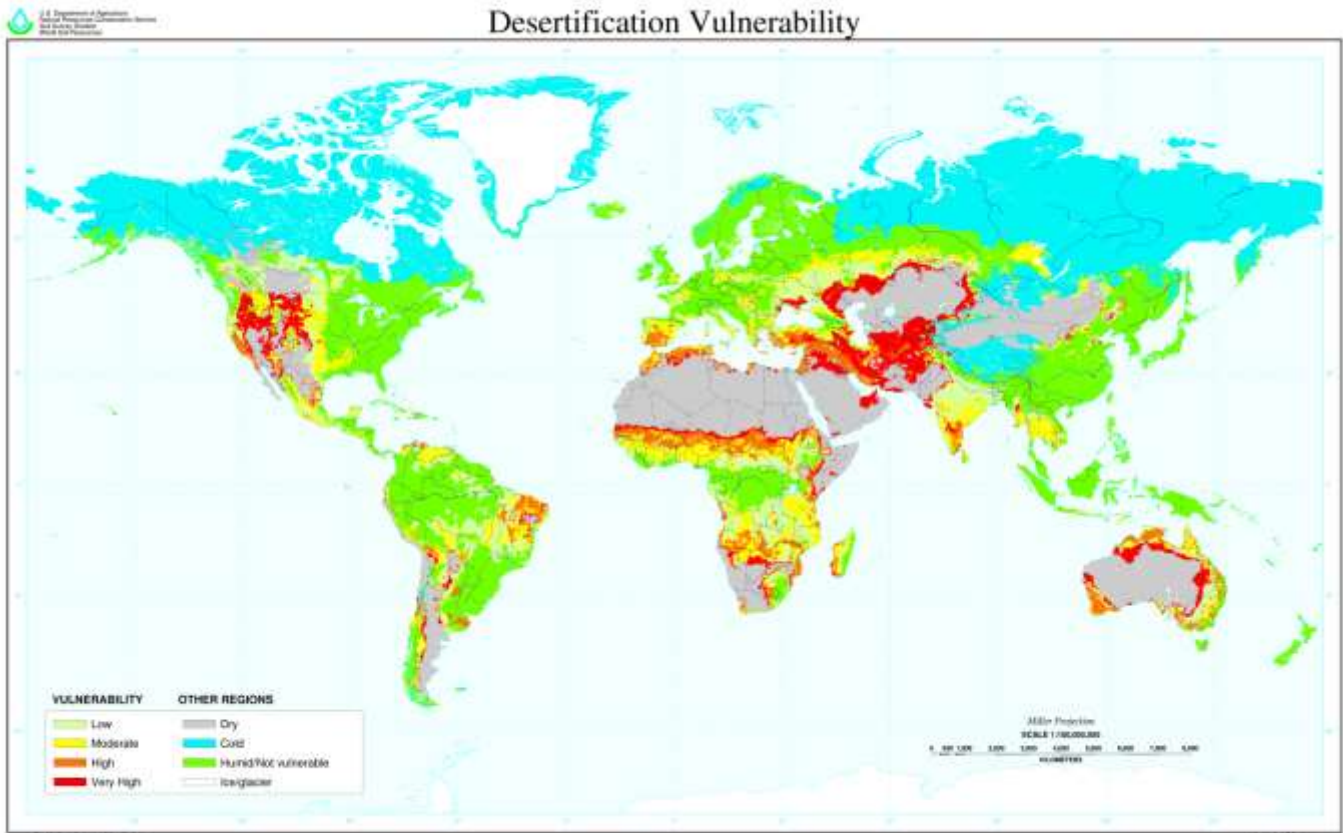
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Causes of desertification



Case study of desertification: _____

Where in the world is desertification a very high risk?



Complete the table to explain the causes of desertification in your case study location.

Causes of desertification	Explanation
Climate change	
Removal of fuel wood	
Overgrazing	
Over-cultivation	

Soil erosion	
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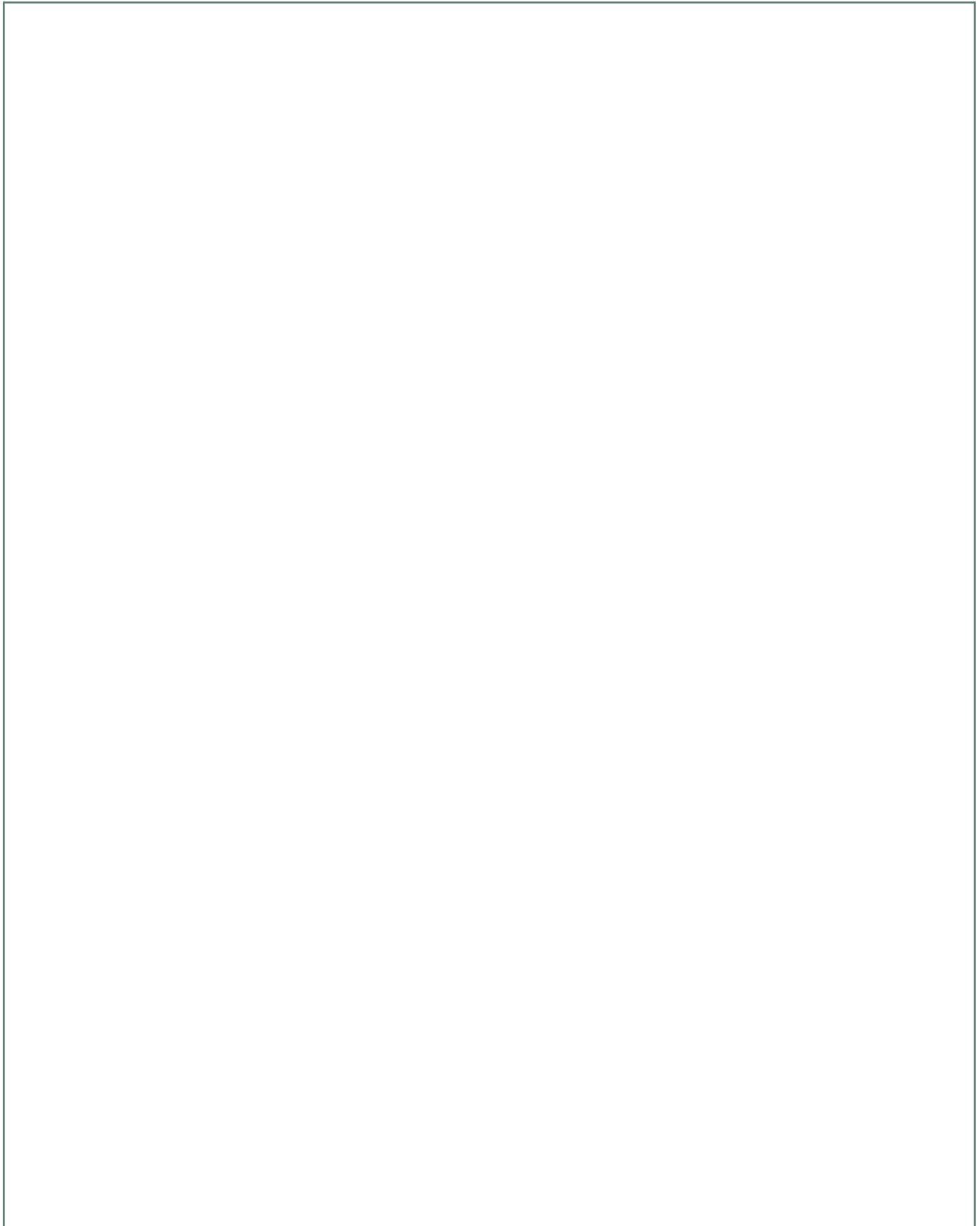
Check your learning

Head over to www.internetgeography.net/wb17 and complete the quiz. Add your score for quiz 6 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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Strategies used to reduce the risk of desertification



Case study of desertification: _____

Complete the table to explain the strategies used to reduce the risk of desertification in your case study location.

Causes of desertification	Explanation
Water and soil management	
Tree planting	
Use of appropriate technology	



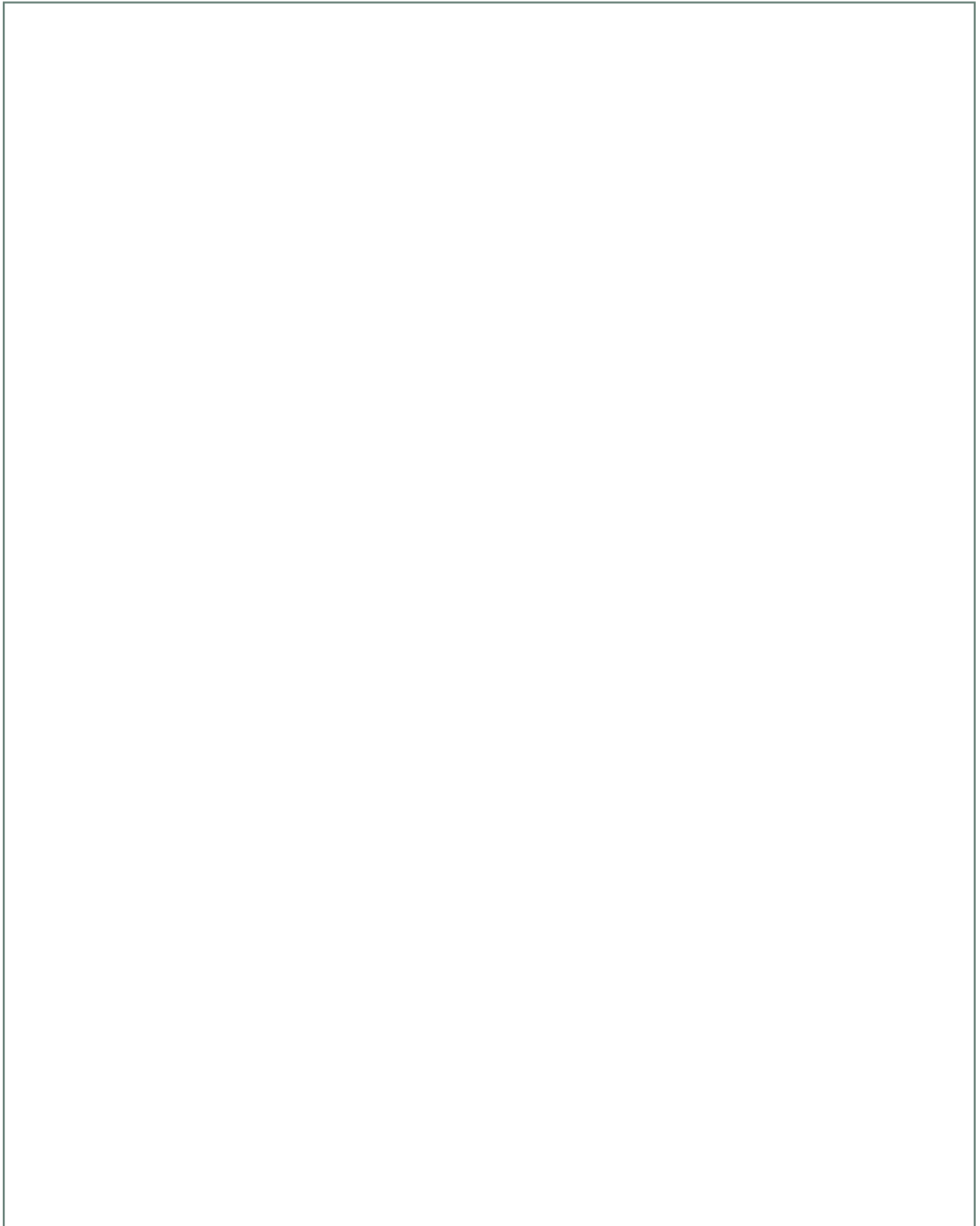
Check your learning

Head over to www.internetgeography.net/wb18 and complete the quiz. Add your score for quiz 7 on the recording sheet.

Dual coding

Use dual coding to summarise what you have studied in this section. Take a look at

<https://www.internetgeography.net/dual-coding/>

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Check your learning recording table

	Attempt 1	Attempt 2	Attempt 3
Quiz 1 www.internetgeography.net/wb12/	/14	/14	/14
Quiz 2 www.internetgeography.net/wb13/	/6	/6	/6
Quiz 3 www.internetgeography.net/wb14/	/5	/5	/5
Quiz 4 www.internetgeography.net/wb15/	/5	/5	/5
Quiz 5 www.internetgeography.net/wb16/	/10	/10	/10
Quiz 6 www.internetgeography.net/wb17/	/10	/10	/10
Quiz 7 www.internetgeography.net/wb18/	/6	/6	/6