The Challenge of Resource Management

internet geography

Contents

Using this booklet 3
Introduction to The Challenge of Resource Management 4
The global distribution of food, energy and water 5
Check your learning 8
Dual coding 8
Changing food demand in the UK 9
Check your learning 13
Dual coding 13
Changing water demand in the UK 14
Check your learning 16
Dual coding 17
The UK's changing energy mix 18
Check your learning 20
Dual coding 21
Check your learning recording table 22

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Using this booklet

Welcome to the Internet Geography Work Booklet for The Challenge of Resource Management. There are a range of resources on Internet Geography to support you studying this unit. Head over to https://www.internetgeography.net/aqa-resource-management/ 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.

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Introduction to The Challenge of Resource Management

There are a number of key words you need to know about the changing economic world.
Complete the key terms list below by adding the correct definitions.

Renewable energy	
Non-renewable energy	
Fossil fuel	
Water surplus	
Water deficit	
Energy mix	
Seasonal food	
Organic produce	
Carbon footprint	
Agribusiness	

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The global distribution of food, energy and water

Why is food, water and energy important to economic and social well-being?

The importance of food, water and energy

Food

How can too little or too much food affect well-being?

Why do sports people and manual labourers require a high energy intake of food?

Where in the world are people most likely to consume too few calories?

Where in the world are people most likely to consume too many calories?

Water

Why is water important?

On average, how much water does each person in the UK use each day?

Give a breakdown of how water is used in the UK.

Energy

Why is energy important?

What is a fossil fuel?

Give examples of fossil fuels

What is renewable energy?

Give examples of renewable energy.

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How are global resources distributed?

Use the maps below to show the global distribution of resources. You should use colour to indicate the distribution of each resource and annotations to describe and explain the pattern.

Food

Water

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Energy

How well off is the UK in terms of resources? Annotate the map to explain your answer

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Check your learning

Head over to www.internetgeography.net/wb131 and complete the 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/

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Changing food demand in the UK

Despite the increased food miles why is some food grown in low income countries (LICs) and transported to the UK?

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_____

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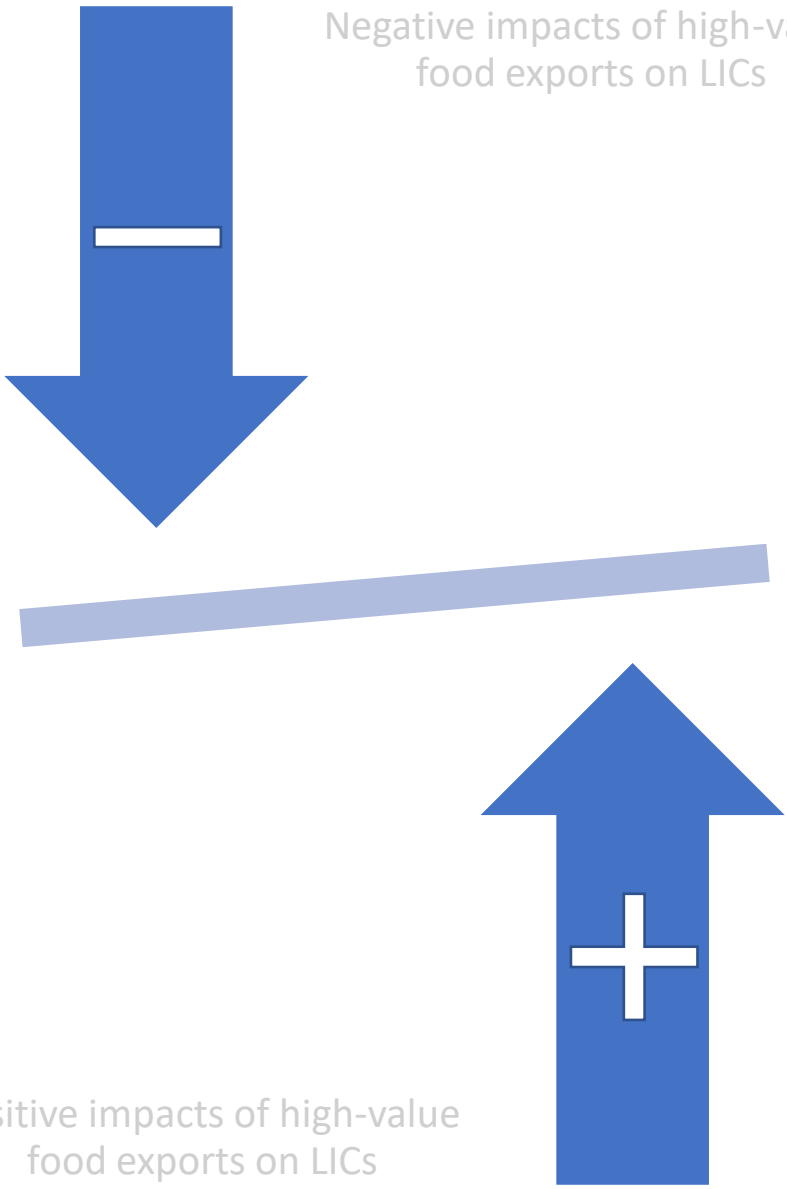

What is seasonal food?

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How and why has demand for seasonal food changed?

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What is organic food?

_____

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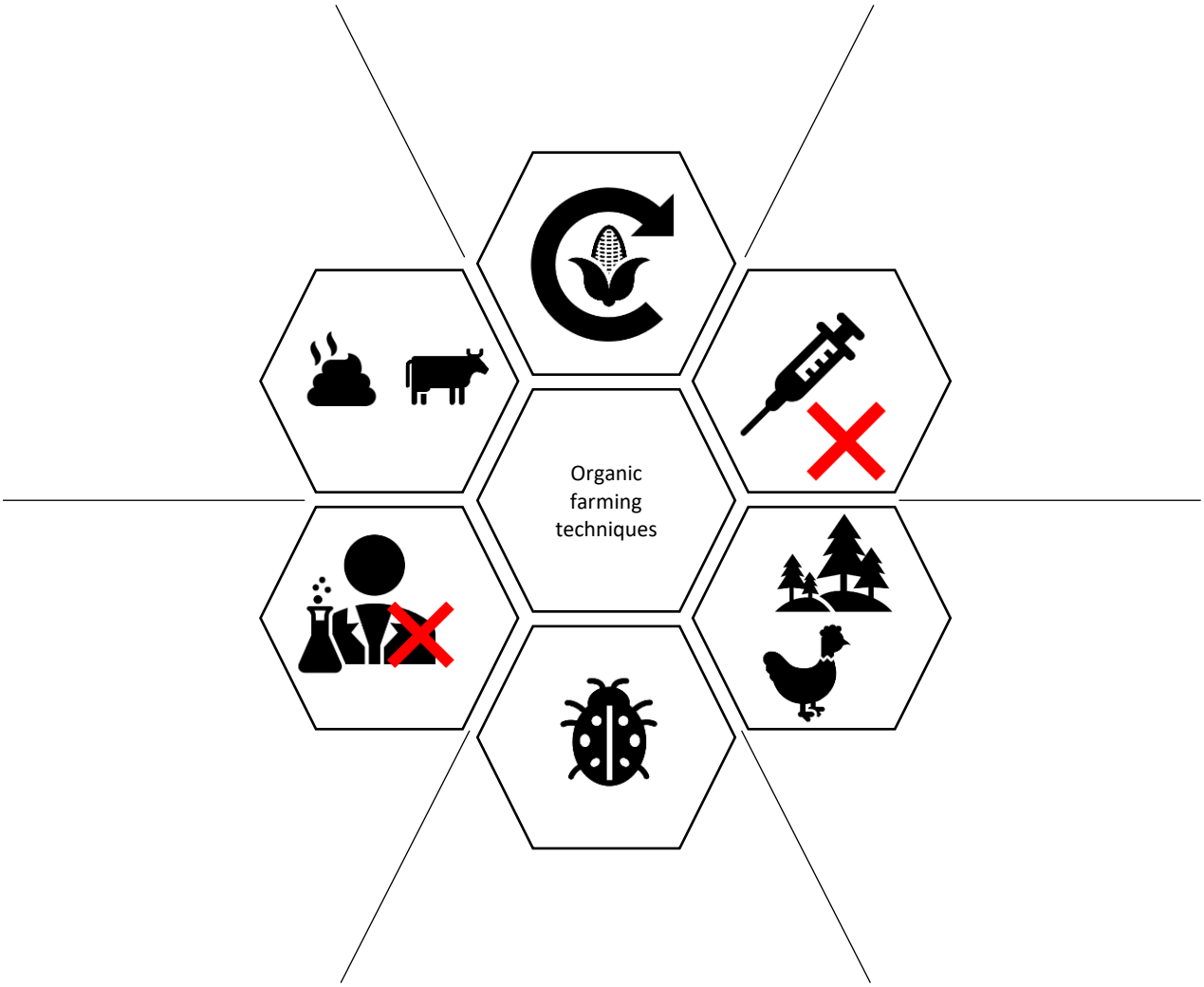
Complete the hexagon below to describe the characteristics of organic farming.



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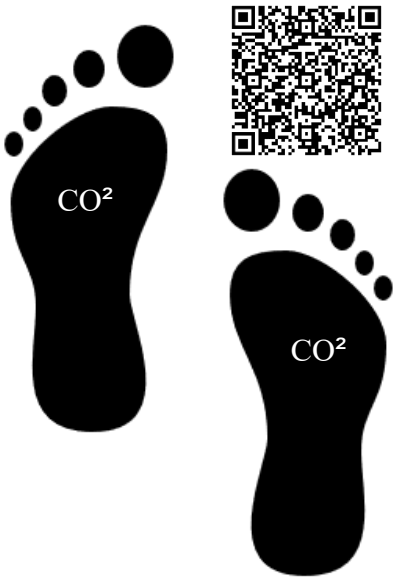
Why is there demand for organic produce?

Summarise the impact of food on the UK's carbon footprint.



How does local sourcing reduce carbon emissions?

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What is agribusiness?

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What are the negative impacts of agribusiness?

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Check your learning

Head over to www.internetgeography.net/wb132 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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Changing water demand in the UK

How is demand for water in the UK changing?

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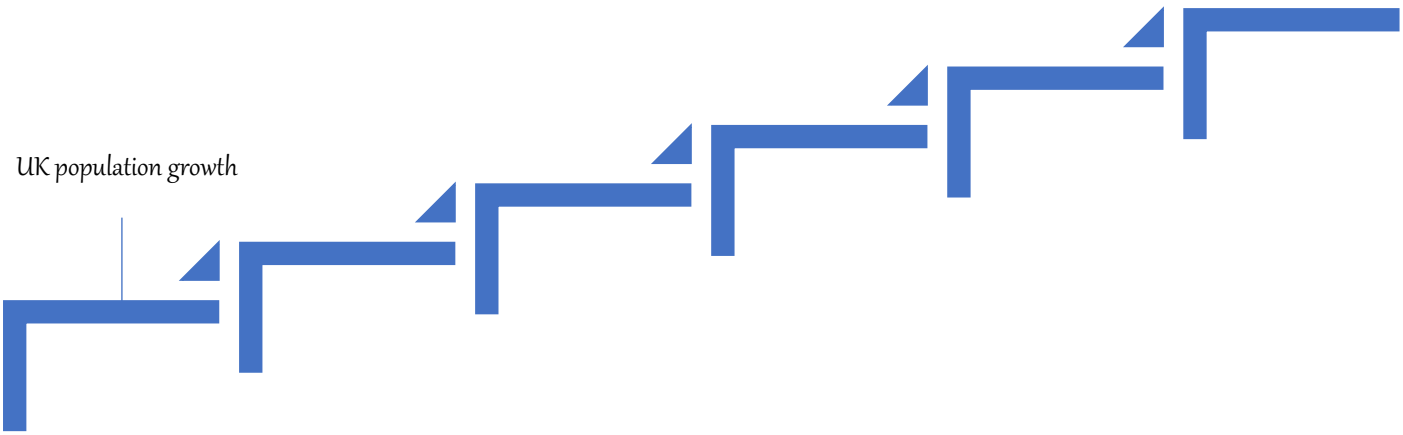
Why is demand for water in the UK increasing?



Shade the map below to show areas of water deficit and surplus in the UK? Describe the geographical distribution of areas of water surplus and deficit.

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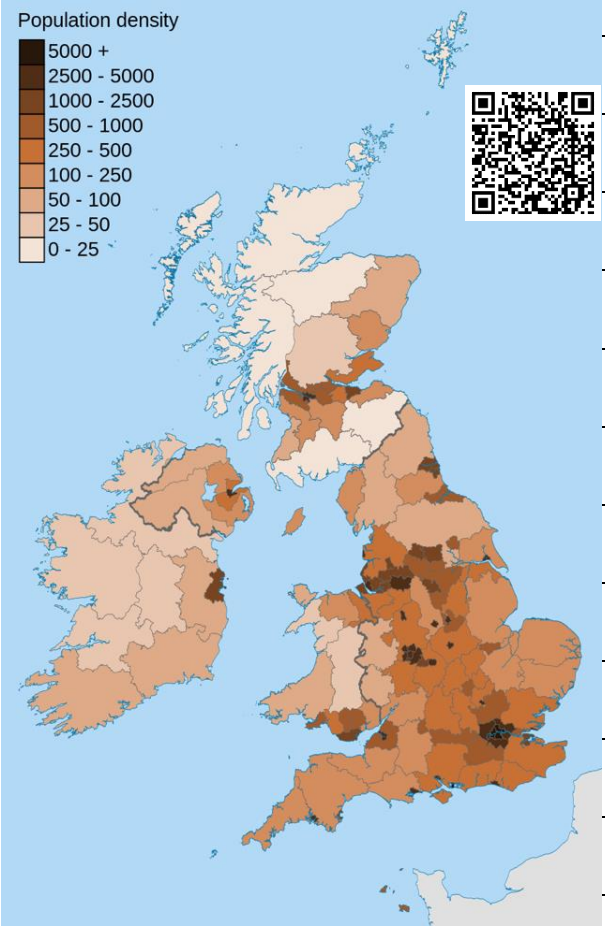
Using the map on the previous page and the map below, explain why there is a need for water transfer to maintain supplies?



How good is the UK's water quality?

Causes of water pollution in the UK	Effects of water pollution in the UK

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How are water quality and pollution levels managed in the UK?

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Check your learning

Head over to www.internetgeography.net/wb133 and complete the quiz. Add your score for quiz 3 on the recording sheet.

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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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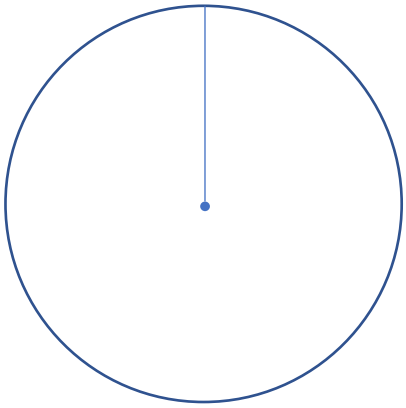
The UK's changing energy mix

How is the UK's energy demand changing? Describe changes in energy consumption in the UK since the 1970s.

Using the data below produce a pie chart to show the UK's energy mix in 2015.

Electric production	**%**
Coal	23%
Oil	0.6%
Natural gas	30%
Nuclear	21.2%
Hydroelectric	2%
Other renewables	23.2%



How has the UK's energy mix changed over time?

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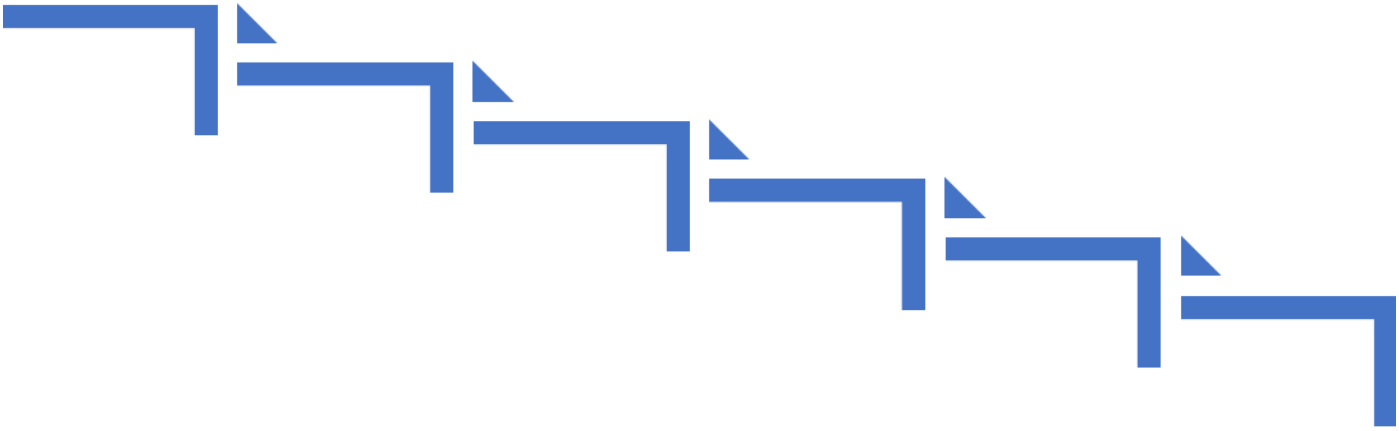
Using the diagram below describe and explain how the UK's reliance on fossil fuels has changed.



Describe the growing significance of renewables.

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Complete the diagram below to show the economic and environmental issues associated with non-renewable energy sources.

	Economic Issues	Environmental Issues
Fossil fuels		
Nuclear		

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Complete the diagram below to show the economic and environmental issues associated with renewable energy sources.

	Economic Issues	Environmental Issues
Renewable energy sources		

Check your learning

Head over to www.internetgeography.net/wb134 and complete the quiz. Add your score for quiz 4 on the recording sheet.

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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/wb131	/20	/20	/20
Quiz 2 www.internetgeography.net/wb132	/11	/11	/11
Quiz 3 www.internetgeography.net/wb133	/12	/12	/12
Quiz 4 www.internetgeography.net/wb134	/10	/10	/10

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