

The Challenge of Resource Management - Resources



The significance of food, water and energy

What is a resource?

What is the impact of a scarcity of food, water, and energy?

Why is a regular supply of food, water, and energy essential?



The significance of food, water, and energy to economic and social well-being

Give an overview of the significance of food, water, and energy to economic and social well-being.



Quiz Attempt:

1. _____ /11 2. _____ /11 3. _____ /11



Inequality in global supply and consumption of resources



Inequality in the global supply and consumption:



Inequality in the global supply and consumption:




Inequality in the global supply and consumption:





Quiz Attempt:


1. _____ /9 2. _____ /9 3. _____ /9


The Challenge of Resource Management - Resources

 **UK resources overview**
Give an overview of resources in the UK.










 **Quiz Attempt:**
1. _____ /11 2. _____ /11 3. _____ /11


Food in the UK

 How has the demand for food in the UK changed?

What has been the impact of the increase in demand for non-seasonal products on LICs?


 

How and why has the demand for organic produce changed?

 What are food miles and carbon footprints?



How does importing food increase the UK's carbon footprint?


What are the alternatives to importing food into the UK?

 What is agribusiness? How has this led to larger farms?


Why is there a trend towards agribusiness?


What has been the impact of increased agribusiness?

 **Quiz Attempt:**
1. _____ /20 2. _____ /20 3. _____ /20

Water in the UK


 How and why has the demand for water in the UK changed?



 How has UK water quality changed over time?


What are the reasons for these changes?

What are the effects of water pollution in the UK?



What is being done to improve the quality of water in the UK?


 Where are the areas of water deficit and surplus in the UK?

 Using examples, give an overview of water transfer schemes in the UK.


Advantages and disadvantages of water transfer schemes:


 **Quiz Attempt:**
1. _____ /13 2. _____ /13 3. _____ /13


The Challenge of Resource Management - Resources

Energy in the UK


 How and why has the demand for energy in the UK changed?


What is the UK's energy mix?


 How is the UK's energy mix changing?

 What are the economic and environmental issues of different types of energy production?

 Fossil fuels

 Nuclear power

 Renewable energy

 **Quiz Attempt:**
1. _____ /21 2. _____ /21 3. _____ /21

Mind Map

Create a mind map from memory to summarise this topic. When you're done check your mind map against these notes and update.

Exam Practice

Apply your learning - scan the QR code and attempt the exam questions.

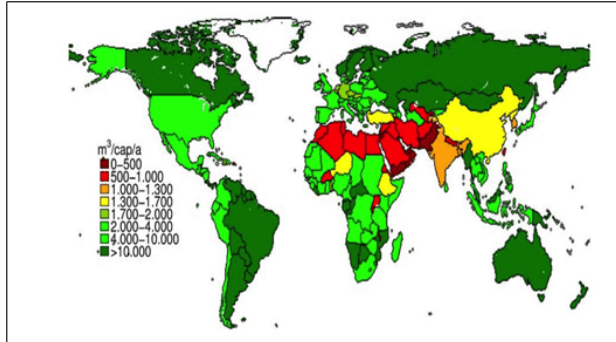
The Challenge of Resource Management - Water



Global Patterns of Water Supply

Describe the distribution of water security risk.

Study the map showing global water security risk.



What factors affect water supply?

Give an overview of the factors that affect water supply.




Abstraction




INFRASTRUCTURE





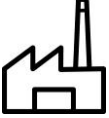


Why is water consumption increasing?


 Economic development


 Population growth


The Challenge of Resource Management - Water


 **What are the impacts of water insecurity?**
Outline the impacts of water insecurity


| | |
|--|---|
|  Disease |  Industrial Output |
|  Food Production |  Social unrest / Conflict |


 **Strategies to increase Water supply**

-  Water Divert (Aquifers)

-  Dams / Reservoirs

-  Water Transfer

-  Desalination

 **An example of a large-scale water transfer scheme (Lesotho)**

| | |
|-----------------------------|--------------------------|
| Overview of the development | Advantages of the scheme |
| | |
| Disadvantages of the scheme | |

The Challenge of Resource Management - Water



Sustainable Water supplies

Outline the sustainable food supply strategies identified below.



Water Conservation



Groundwater Management



Recycling




Grey Water




A local sustainable scheme in an LIC/NEE

 Wakal River Basin Project

 Overview

 How is it sustainable?

 Impact of the project

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