

AQA THE CHALLENGE OF RESOURCE MANAGEMENT

Paper 2 The Challenge of Resource Management PLC

Red = Not confident at all
Amber = Some confidence
Green = Very confident



reference notes



interactive quizzes



	Red	Amber	Green
Food, water and energy are fundamental to human development			
I know how important food, water and energy are to economic and social well-being.			
I have an overview of global inequalities in the supply and consumption of resources.			
The changing demand and provision of resources in the UK create opportunities and challenges. An overview of resources in relation to the UK: Food			
I know there is a growing demand for high-value food exports from low-income countries.			
I know there is a growing all-year demand for seasonal food and organic produce.			
I understand how large carbon footprints are associated with the increased number of 'food miles' travelled and moves towards local sourcing of food.			
I understand the trend towards agribusiness.			
The changing demand and provision of resources in the UK create opportunities and challenges. An overview of resources in relation to the UK: Water			
I know the changing demand for water in the UK.			
I can discuss water quality and pollution management.			
I know how the UK matches supply and demand for water and the areas of deficit and surplus.			
I understand the need for transfer to maintain water supplies.			
The changing demand and provision of resources in the UK create opportunities and challenges. An overview of resources in relation to the UK: Energy			
I know how the energy mix in the UK is changing from reliance on fossil fuels and the growing significance of renewables.			
I know how supplies of coal, gas and oil have reduced in the UK.			
I know the economic issues associated with exploitation of energy issues.			
I know the environmental issues associated with the exploitation of energy resources.			

You will have studied either food, water or energy resources in depth. You only need to complete your PLC for the area you have studied.

Food

	Red	Amber	Green
Demand for food resources is rising globally but supply can be insecure, which may lead to conflict			
I know the global patterns of calorie intake and food supply.			
I know the reasons for increasing food consumption (economic development and rising population).			
I know the factors affecting food supply: climate, technology, pests and disease, water stress, conflict, poverty.			
I know the impacts of food insecurity – famine, undernutrition, soil erosion, rising prices, social unrest.			
Different strategies can be used to increase food supply			
I can give an overview of strategies to increase food supply including irrigation, aeroponics and hydroponics, the new green revolution and use of biotechnology, appropriate technology.			
I know an example of a large-scale agricultural development to show how it has both advantages and disadvantages.			
I know the potential for sustainable food supplies: organic farming, permaculture, urban farming initiatives, fish and meat from sustainable sources, seasonal food consumption, reduced waste and losses.			
I know an example of a local scheme in an LIC or NEE to increase sustainable supplies of food.			

Water

	Red	Amber	Green
Demand for water resources is rising globally but supply can be insecure, which may lead to conflict			
I know the global patterns of water supply and deficit.			
I know the reasons for increasing water consumption: economic development and rising population.			
I know the factors affecting water availability: climate, geology, pollution of supply, over-abstraction, limited infrastructure, poverty.			
I know the impacts of water insecurity – waterborne disease and water pollution, food production, industrial output, potential for conflict where demand exceeds supply.			
Different strategies can be used to increase water supply			
I can give an overview of strategies to increase water supply including diverting supplies and increasing storage, dams and reservoirs, water transfers and desalination.			
I know an example of a large scale water transfer scheme to show how its development has both advantages and disadvantages.			
I know the potential for sustainable water supplies: water conservation, groundwater management, recycling, 'grey' water.			
I know an example of a local scheme in an LIC or NEE to increase sustainable supplies of water.			

Energy

	Red	Amber	Green
Demand for energy resources is rising globally but supply can be insecure, which may lead to conflict			
I know the global distribution of energy consumption and supply.			
I know the reasons for increasing energy consumption: economic development, rising population, technology.			
I know the factors affecting energy supply: physical factors, cost of exploitation and production, technology and political factors.			
I know the impacts of energy insecurity – exploration of difficult and environmentally sensitive areas, economic and environmental costs, food production, industrial output, potential for conflict where demand exceeds supply.			
Different strategies can be used to increase energy supply			
I can give an overview of strategies to increase energy supply including renewable (biomass, wind, hydro, tidal, geothermal, wave and solar) and non-renewable (fossil fuels and nuclear power) sources of energy.			
I know an example to show how the extraction of a fossil fuel has both advantages and disadvantages.			
I know the potential for sustainable energy supplies: <ul style="list-style-type: none"> • individual energy use and carbon footprints • energy conservation: designing homes, workplaces, and transport for sustainability. • demand reduction • use of technology to increase efficiency in the use of fossil fuels. 			
I know an example of a local renewable energy scheme in an LIC or NEE to provide sustainable supplies of energy.			