

Section C: The Challenge of resource management

Resource management

I understand the significance of food, water and energy to economic and social well-being.	
I can give an overview of global inequalities in the supply and consumption of resources	
I understand and can explain the growing demand for high value food exports from low income countries and all year demand for seasonal food and organic produce in the UK	
I understand and can explain larger carbon footprints due to the increasing number of 'food miles' travelled and moves towards local sourcing of food in the UK.	
I can describe and explain the trend towards agribusiness in the UK	
I understand and can explain the changing demand for water within the UK	
I can talk about water quality and pollution management within the UK	
I can talk about matching supply and demand – areas of deficit and surplus in the UK	
I can explain the need for transfer to maintain supplies in the UK	
I can describe and give reasons for the changing energy mix - reliance on fossil fuels, growing significance of renewables in the UK	
I can talk about reduced domestic supplies of coal, gas and oil in the UK	
I can talk about economic and environmental issues associated with exploitation of energy sources in the UK	

Energy

I can identify areas of surplus (security) and deficit (insecurity)	
I can describe the global distribution of energy consumption and supply	
I can state reasons for increasing energy consumption: economic development, rising population, technology	
I can talk about factors affecting energy supply: physical factors, cost of exploitation and production, technology and political factors	
I can talk about 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.	
I can talk about some strategies to increase energy supply including renewable sources (biomass, wind, hydro, tidal, geothermal, wave and solar) and non renewable sources (fossil fuels and nuclear power) sources of energy	
I can talk about some strategies to increase energy supply by using an example to show how the extraction of a fossil fuel has both advantages and disadvantages	
I can talk about moving towards a sustainable resource future through 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 can talk about moving towards a sustainable resource future by using an example of a local renewable energy scheme in an LIC or NEE to provide sustainable supplies of energy.	

