

Key point: Access to resources per person is decreasing because demand outweighs the supply.



Reliable Resources

A **resource** is something we **use** which has a **purpose**.



The 3 most important resources to human development are food, energy and water (FEW).

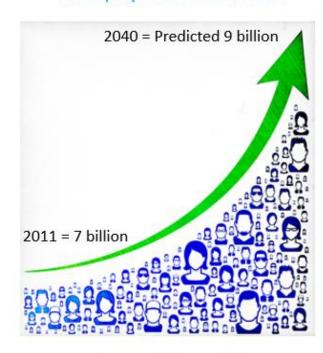


Carrying capacity = The maximum

number of species that can be supported

on our planet.

1. Rising Population More people = more resources



2. Economic Development

People are getting wealthier, especially in EDCs which leads to increasing **consumption**.



More **disposable income** = higher demand for more varied food, bigger housing, more luxuries and travelling



Increased energy use



Increased water use



Increased demand for one resource can increase demand for another. E.g. More people = more food to be grown = more water to stimulate growth.

Factors affecting access to resources:









Climate- Some countries have very low rainfall which limits water supplies, reducing how much food they can grow, often leading to reduced crop yield and a shortage in food supply. E.g. flooding or droughts.

Geology- Some countries don't have reserves of fossil fuels such as coal and oil, and may not have a suitable landscape for generating renewable energy from, e.g. wind or hydropower.

Conflict- War can disrupt the transport of resources, e.g. by damaging roads, water pipes or power lines. Fighting can damage agricultural land making it more difficult to grow enough food. Conflict also makes it difficult to import food because trade routes are disrupted and political relationships with supply countries may break down.

Poverty- People living in poverty often can't afford to buy food and don't usually have their own land where they can grow food. Poverty also affects people's ability to farm the land effectively as they may not be able to afford the fertilisers and pesticides they need. Some countries also can't afford farming machinery.

Natural Hazards- Events such as tropical storms, earthquakes and volcanic eruptions can damage agricultural land and destroy infrastructure such as water pipes and power lines.



247,679,575	Energy used today (MWh), of which:
200,619,365	- from non-renewable sources (MWh)
47,060,210	- from renewable sources (MWh)
1,849,245,996,598	Solar energy striking Earth today (MWh)
60,529,355	Oil pumped today (barrels)
1,547,434,089,995	Oil left (barrels)
16,138	Days to the end of oil (~44 years)
1,103,584,635,062	Natural Gas left (boe)
58,083	Days to the end of natural gas
4,328,311,079,004	Coal left (boe)
149,252	Days to the end of coal

What is the distribution of world energy consumption?

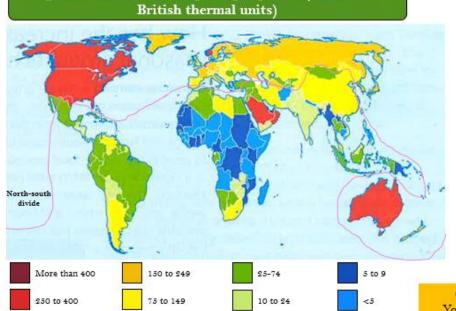


Figure 5- Annual consumption per person (millions of

Figure 6-Reasons for

The demand for essential resources has grown over time as we develop new processes, new products and change our way of life. As LIDCs and EDCs develop industrially and economically, their demand for resources has grown too. For example as industry has grown in China, energy consumption has increased with it.

Challenge:: What will be the impact of future LIDC economic development? (Refer to 'disposable income'

Grades 1-3 You describe the distribution of average energy consumption per person for a few

Grades 4-6 You describe the

Grades 7-9 You do all of securing plus offer reasons for the distribution.

Food miles = The distance food has been transported to the market.

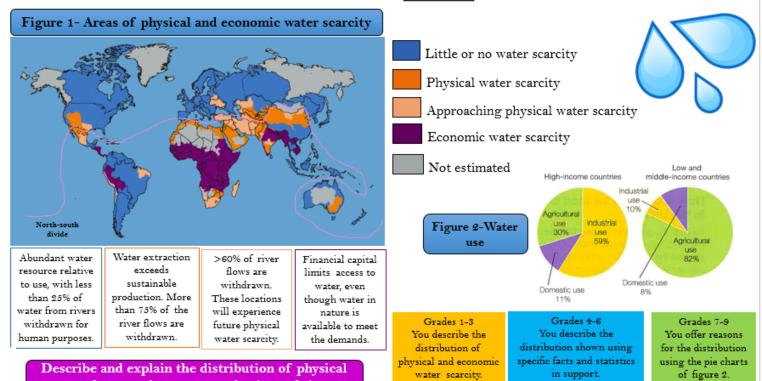
Describe and explain the distribution of world

energy consumption (6 marks)

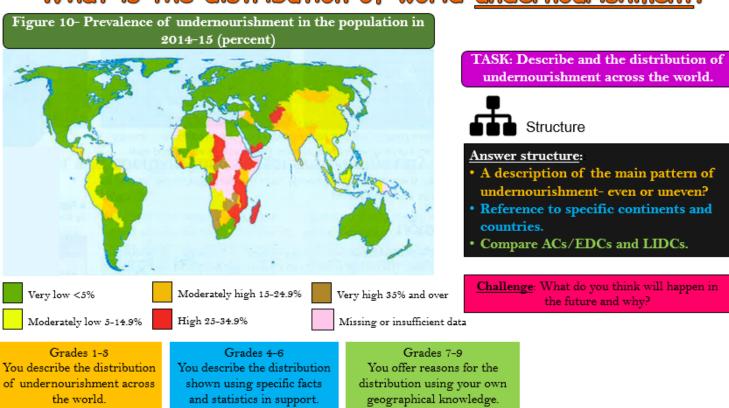
Carbon footprint = The amount of carbon dioxide produced during both growing and transporting the crop to market.

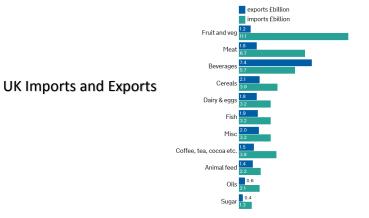
distribution for specific countries, using facts and countries. statistics. Percentage supplied to the UK UK^a 50% Rest of Europe 2% Australasia 1%

What is the distribution of water across the world?



What is the distribution of world undernourishment?





and economic water scarcity (6 marks)



% of UK food from different continents