

Resource Management

What Is Resource Management?



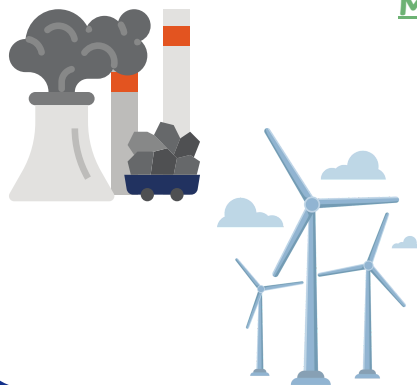
Resource management is about how we use and look after natural resources like food, water and energy.



Resources must be used carefully to meet everyone's needs now and in the future. Poor management can lead to shortages, waste, and damage to the environment.



Managing Energy Resources



Energy is needed for transport, homes and industry. Fossil fuels are running out and harm the planet.

Sustainable solutions include:

- Renewable energy (e.g. wind, solar, hydro)
- Improving energy efficiency in homes and transport
- Using local energy sources to reduce imports

Managing Food Resources

Some countries produce more food than they need, while others don't have enough.

Solutions include:

- Using technology to grow more food (e.g. GM crops, irrigation)
- Reducing waste in transport and storage
- Improving trade and fair access to markets



Why Is There Unequal Access?



Not everyone has the same access to food, water or energy. Richer countries often have more reliable supplies. Poorer countries may face shortages due to climate, conflict or lack of money. This affects health and living standards.

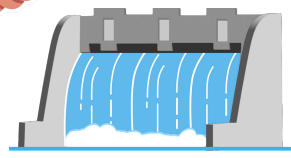
Water Transfer in the UK



The UK has more water in the north and less in the south. Schemes like Kielder Water move water to where it's needed. This helps supply cities but can be costly and affect the environment.



Managing Water Resources



Water stress happens when demand is higher than supply.

To manage water sustainably:

- Dams and reservoirs store water
- Desalination turns seawater into freshwater
- Water conservation reduces waste at home and on farms