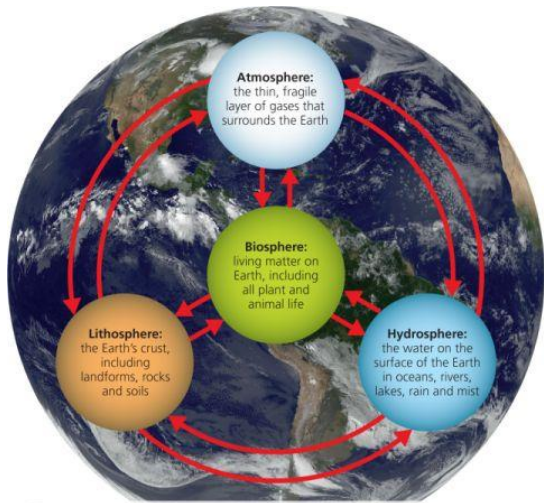
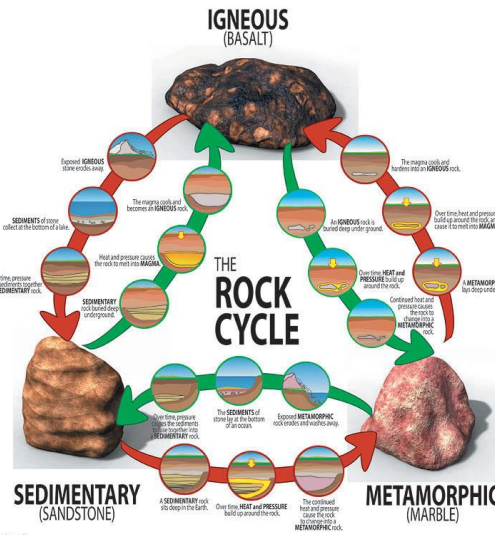


4. How do we use our planet as a natural resource?



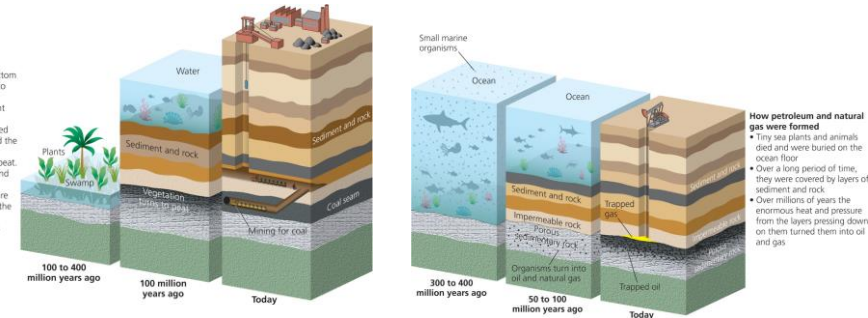
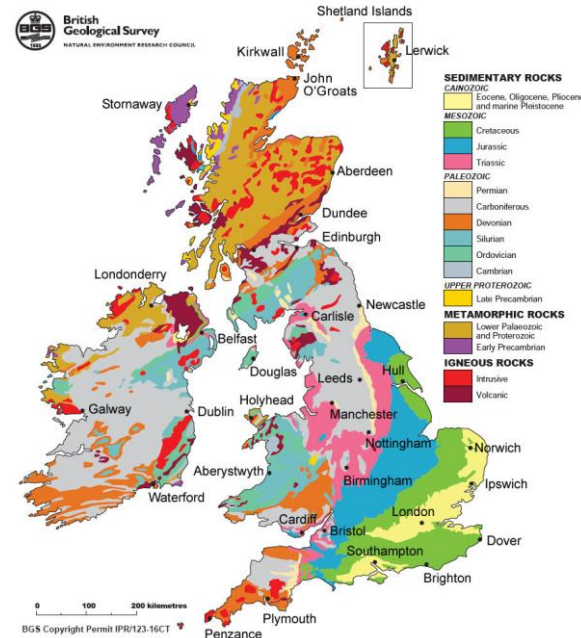
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The 4 major spheres



© Matt Willard

Geology – the study of rocks



How coal, oil and gas are formed

Renewable and non-renewable forms of electricity generation

Renewable resources



Wind Energy

Atmosphere



Solar energy

Atmosphere



Wave energy

Hydrosphere



Water energy

Hydrosphere



Biomass Energy

Biosphere

Non-renewable resources



Coal

Lithosphere



Oil

Lithosphere



Gas

Lithosphere

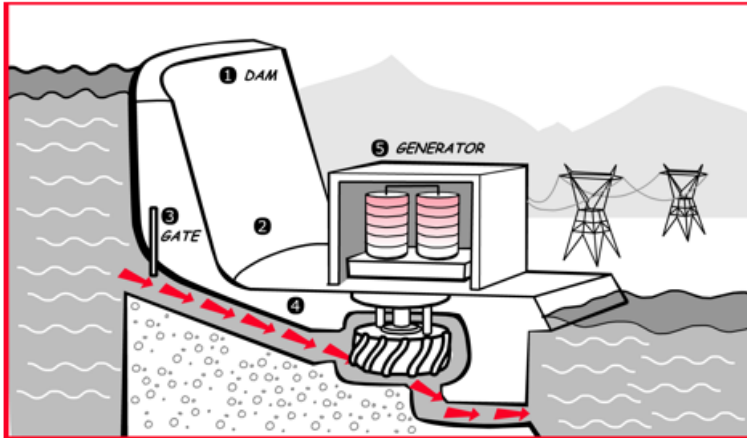


Nuclear

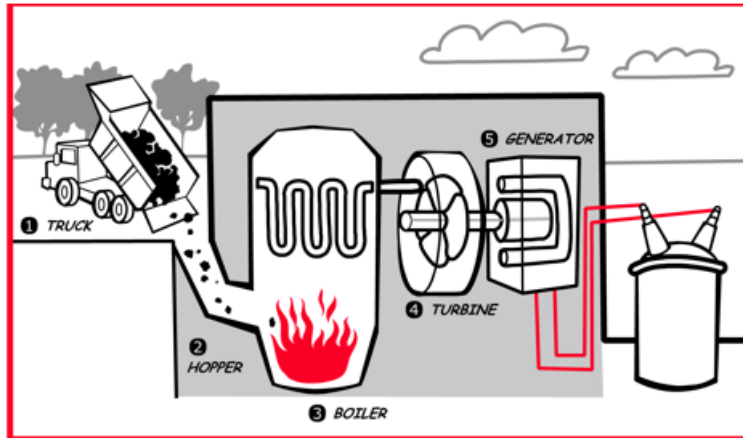
Lithosphere

4. How do we use our planet as a natural resource?

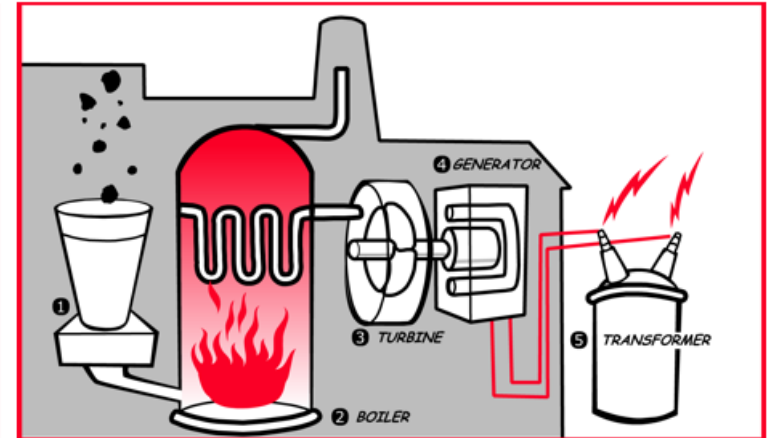
Electricity generation



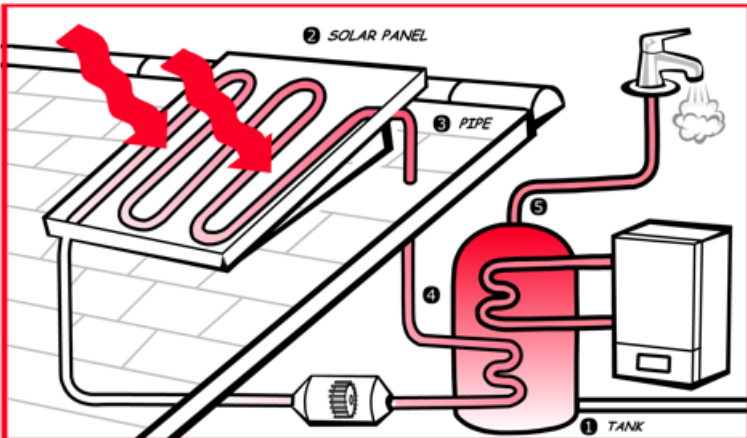
Energy transferred from moving water is used to generate electricity



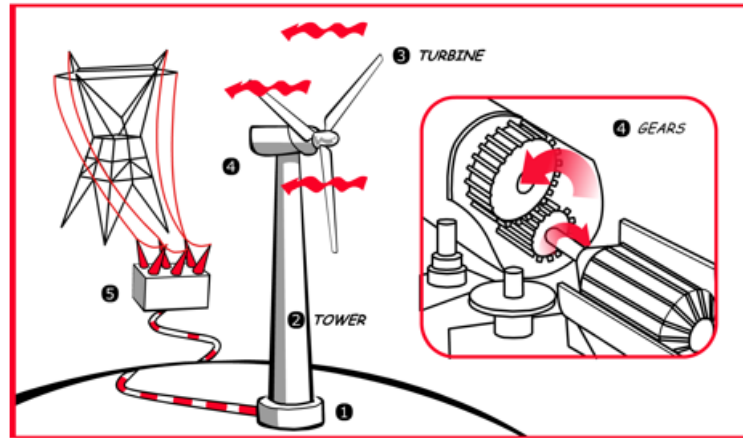
Energy transferred from biomass (plants) is used to generate electricity



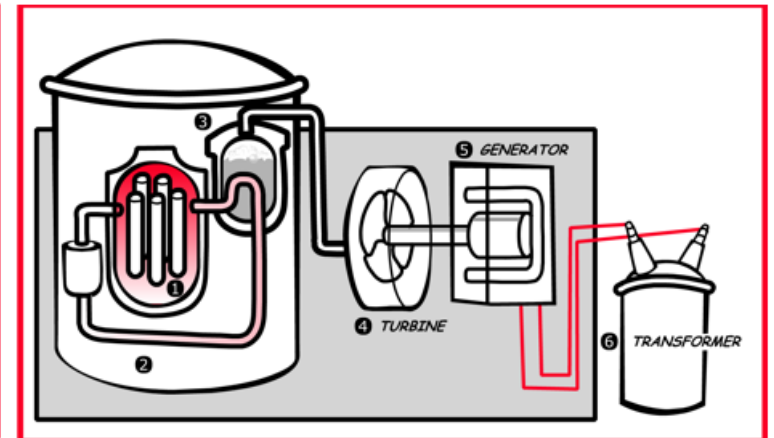
Energy transferred from fossil fuels (coal, oil or gas) is used to generate electricity



Energy transferred from the sun (solar) is used to heat water or generate electricity



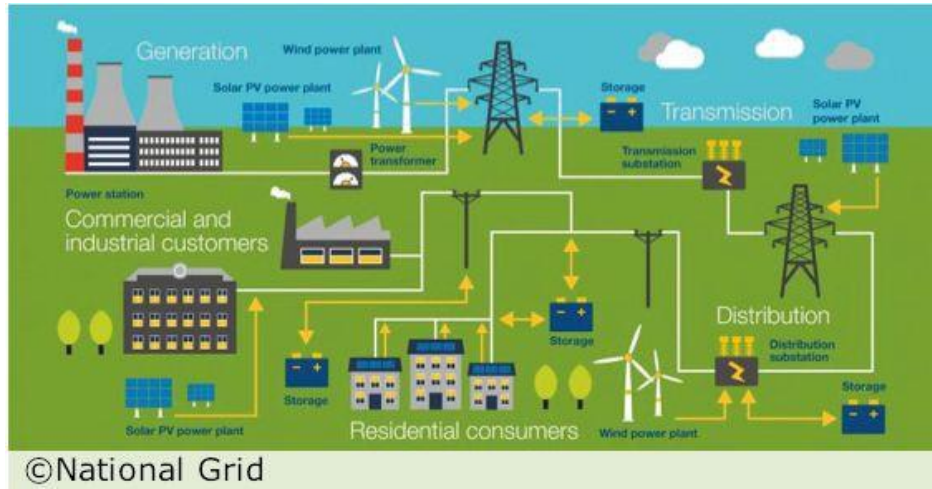
Energy transferred from the atmosphere (wind) is used to generate electricity



Energy transferred from Uranium (nuclear) is used to generate electricity

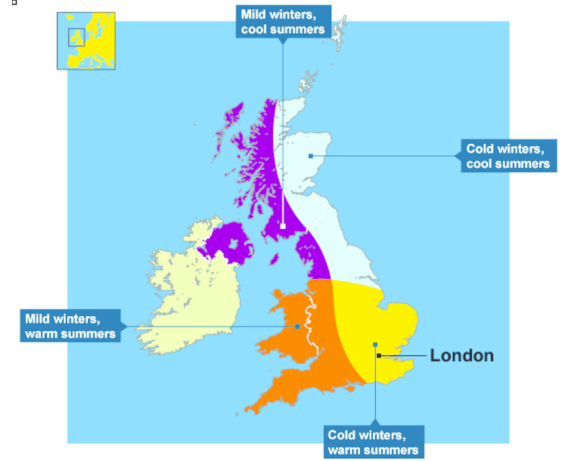
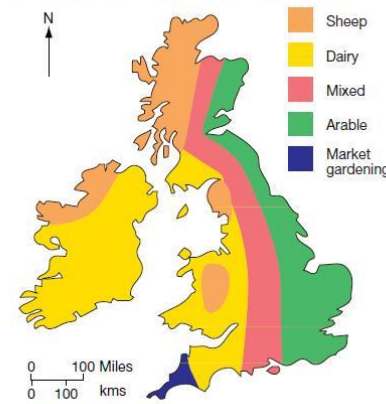
4. How do we use our planet as a natural resource?

Transferring electricity around the country



Soils, climate and agriculture

Fig 12.2 The main farming types in the UK



Water

What are we doing to our planet?

