

# Edexcel IAL Geography

## Energy Security

### Definition Flashcards

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# Acidification



## Acidification

The gradual reduction of pH of the oceans, due to dissolving carbon dioxide from the atmosphere.



# Biofuel



## Biofuel

Burning crops and vegetation for electricity and heat.



# Carbon Capture & Storage (CCS)



## Carbon Capture & Storage (CCS)

The capture of carbon dioxide emissions directly from the factory, pumped into disused mines rather than being released into the atmosphere.



# Carbon Neutral





## Carbon Neutral

A process that has no net addition of carbon dioxide to the environment.



# Choke Points



## Choke Points

Points in the logistics of energy and fuel that are prone to restriction.



# Combustion



## Combustion

The process of burning a substance, in the presence of oxygen, to release energy.



# Energy Mix



## Energy Mix

The composition of a country's energy sources.



# Energy Security





## Energy Security

The ownership and full control of a country's energy source, production and transportation.



# Energy Pathway



## Energy Pathway

The movement of energy from its extraction or source, through pipes, freight logistics or cabling.



# Energy Players



## Energy Players

Key companies and individuals who own, distribute and sell energy and energy sources.



# Enhanced Greenhouse Effect



## Enhanced Greenhouse Effect

The buildup of greenhouse gases in the atmosphere, reducing the amount of solar radiation reflected into space.



# Fallout





## Fallout

The area covered by radioactive particles and material following a nuclear disaster.



# Non-Renewable



## Non-Renewable

A source of energy that can only be used once to generate electricity or takes thousands of years to replace. E.g. Fossil Fuels.



# Nuclear Fusion



# Nuclear Fusion

The process of joining atomic nuclei together, to produce energy.



# OPEC



# OPEC

Oil & Petroleum exporting countries. An organisation that supports and coordinates fossil fuel exporting countries.



# Primary Energy





## Primary Energy

The initial source of energy, as it is naturally found. This could be natural ores, water, crops or radioactive material.



# Renewable



## Renewable

Primary energy that can be re-used to produce electricity or has a short lifetime, therefore any used can be replaced quickly. E.g. Hydroelectric, biomass, solar.



# Secondary Energy



## Secondary Energy

The product of primary energy, mostly electricity.

