

# Edexcel IAL Geography

## Water Conflict

### Definition Flashcards



# Anthropogenic Factors



# Anthropogenic Factors

Factors and influences caused by humans.



# Aquifer



## Aquifer

A permeable or porous rock which stores water



# Channel Flow



# Channel Flow

Water flowing in a rivulet, stream or river



# Cloud Seeding





## Cloud Seeding

The addition and dispersal of particles - such as dry ice or salt - to encourage precipitation.



# Desalination Plant



## Desalination Plant

The conversion of seawater to freshwater, suitable for human consumption



# Drought



# Drought

An extended period of deficient rainfall relative to the statistical average for the region (UN)



# Economic Water Scarcity



## Economic Water Scarcity

When water resources are available but insufficient economic wealth limits access to it



# Global Hydrological Cycle





## Global Hydrological Cycle

The continuous transfer of water between land, atmosphere and oceans. The Earth is a closed system.



# Hydrological Drought



## Hydrological Drought

Insufficient soil moisture to meet the needs of vegetation (crops, trees, plants)



# Infiltration



## Infiltration

The movement of water vertically through the pores in soil



# Meteorological Drought



## Meteorological Drought

When long-term precipitation trends are below average.



# Open System





## Open System

A system affected by external flows and inputs (such as a drainage basin, or a sediment cell)



# Periodic Variability



## Periodic Variability

Predictable changes in the conditions of a basin that occur annually, seasonably or monthly.



# Physical Water Scarcity



## Physical Water Scarcity

A physical lack of available freshwater which cannot meet demand



# Salinisation



## Salinisation

Where salt water contaminates freshwater stores or soils, creating saline conditions and reducing human use/ consumption.



# Saltwater Encroachment





## Saltwater Encroachment

The movement of saltwater into freshwater aquifers or soils. This may be caused by sea level rise, storm surges or over-extraction



# Secular Variability



## Secular Variability

Long term changes to a climate, for example due to climate change.



# Smart Irrigation



## Smart Irrigation

Providing crops with a water supply less than optimal, to make crops resistant to water shortages.



# Stochastic Variability



## Stochastic Variability

Short-term, unpredictable changes to the conditions of a basin, such as localised thunderstorms.



# Topography





# Topography

## The relief and shape of the land



# Water Budget



## Water Budget

The annual balance between inputs and outputs within a system



# Water Conservation



# Water Conservation

## Strategies to reduce water usage and demand



# Water Recycling



# Water Recycling

The treatment and purification of wastewater, to increase supply



# Water Scarcity





## Water Scarcity

There are limited renewable water sources (between 500 and 1000 cubic metres per capita per year)



# Water Security



## Water Security

The ability to protect and access a sustainable source to adequately meet demand.



# Water Sharing Treaty



## Water Sharing Treaty

International agreements for  
transboundary sources



# Water Transfer



## Water Transfer

Hard engineering projects, such as pipelines or aqueducts, that divert water between basins to meet demand

