

# Edexcel IAL Geography

## Biodiversity Under Threat

### Definition Flashcards

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# Afforestation



## Afforestation

Planting trees and vegetation with the aim of increasing forest cover.



# Biodiversity Hotspot



## Biodiversity Hotspot

An area of extremely high species diversity that are valuable to the global system.



# Biome



# Biome

A region of land, often large in size, categorised by its climate and conditions



# Carnivore





## Carnivore

A species whose diet is predominantly meat.



# CITES Biodiversity Action Plan



# CITES Biodiversity Action Plan

An international agreement to protect species being traded for scientific or economic gain.



# Debt-for-Nature Swaps



## Debt-for-Nature Swaps

Indebted countries have some of their debts written off in return for protecting their local ecosystems.



# Deciduous



## Deciduous

Vegetation that loses their leaves annually.



# Decomposition





## Decomposition

The process of breaking down complex organic compounds from a dead organism into simple compounds back into the soil.



# Deforestation



## Deforestation

The loss of trees and vegetation from temperate forests and rainforests.



# Desertification



## Desertification

The process through which fertile land loses water moisture, nutrients and becoming more eroded.



# Ecosystem



# Ecosystem

The combination of the species and the physical environment they live within



# Ecosystem Biodiversity





# Ecosystem Biodiversity

The number of ecosystems or habitats within an area



# Endemism



## Endemism

The uniqueness of a species to a location.



# Energy Flow



## Energy Flow

The cycle of energy through an ecosystem, travelling through a food chain.



# Enhanced Greenhouse Effect



## Enhanced Greenhouse Effect

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



# Fauna





# Fauna

Animals found within an ecosystem



# Flora



# Flora

## Vegetation found within an ecosystem



# Food Chain



## Food Chain

A series of consumption of species, starting with primary consumers.



# Genetic Biodiversity



# Genetic Biodiversity

Variations within the genetics and DNA  
of a species



# Herbivore





## Herbivore

A species whose diet consists of only plant-based material.



# Inorganic Compound



## Inorganic Compound

Compounds sourced from the soil or natural gases from the atmosphere, such as carbon dioxide or phosphate.



# Kuznet's Curve



## Kuznet's Curve

A theory describing the correlation between economic development and environmental degradation.



# Legislation



# Legislation

Laws and government policies.



# Non-Native Species





## Non-Native Species

Species from other ecosystems that have been introduced to an ecosystem, often competing with native species.



# Non-Perennial River



## Non-Perennial River

A river that flows seasonally, so doesn't have a river flow during the entire year.



# Nutrient Cycle



## Nutrient Cycle

The transport of minerals between the ecosystem and species, through consumption and decomposition.



# Omnivore



## Omnivore

A species whose diet consists of both plant and meat.



# Organic Compound





## Organic Compound

Complex mineral compounds produced within organisms, such as carbohydrates or protein



# Photosynthesis



# Photosynthesis

The process of converting carbon dioxide and water into glucose and oxygen. All plants and some organisms rely on this process to survive.



# Primary Consumer



## Primary Consumer

Species who consume primary producers, forming the second stage of a food chain.



# Primary Producer



## Primary Producer

Species who produce their food through photosynthesis, and form the first stage of any food chain.



# Secondary Consumer





## Secondary Consumer

Species who consume primary consumers and primary producers and form the third stage to a food chain.



# Species Biodiversity



# Species Biodiversity

The variety in species within an area.



# Sustainable Yield



## Sustainable Yield

The amount of a resource that can be consumed/harvested before it threatens the self-renewability of the resource.



# Tertiary Consumer



## Tertiary Consumer

Species that consume secondary and primary consumers, forming the fourth stage to a food chain.



# Turning Point





## Turning Point

The point of irreversible change or a change in attitudes.



# UNESCO Biosphere Reserves



## UNESCO Biosphere Reserves

Areas of similar biomes, covering several countries, that cooperate in the protection of their ecosystems.



# Wildfire



## Wildfire

Fire that rapidly spreads through woodland or grasslands.

