

Ecology Flashcards PDF

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What is ecology?

Ecology is the branch of biology that deals with the relationships of organisms to one another and to their physical surroundings.

What are the levels of ecological organization?

The levels of ecological organization include individual, population, community, ecosystem, biome, and biosphere.

What is a food chain?

A food chain is a linear sequence of organisms through which nutrients and energy pass as one organism eats another.

What is a food web?

A food web is a complex network of feeding relationships among various organisms in an ecosystem.

What is the difference between biotic and abiotic factors?

Biotic factors are the living components of an ecosystem, while abiotic factors are the non-living physical and chemical elements.

What is an ecosystem?

An ecosystem is a community of living organisms interacting with their physical environment.

What is biodiversity?

Biological diversity, or biodiversity, refers to the variety of life in a particular habitat or ecosystem.

What is a niche?

A niche is the role or function of an organism or species within an ecosystem, including its habitat, resource use, and interactions with other organisms.

What is carrying capacity?

Carrying capacity is the maximum number of individuals of a particular species that an environment can support sustainably.

What is the difference between primary and secondary succession?

Primary succession occurs in lifeless areas where soil has not yet formed, while secondary succession occurs in areas where a disturbance has destroyed an existing community but soil and some organisms still remain.