



AQUATIC ECOLOGY II

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Ankara

- Biodiversity explains the varieties of species, genes in a certain ecosystem
- Ecology is not synonymous with environment, natural history, or environmental science.
- It is related to evolutionary biology, genetics, and ethology.

- **Ecologists explain**
- Life processes,
- Interactions
- adaptations
- The movement of materials and energy
- The successional development
- The abundance and distribution of organisms
- biodiversity

- The word "**ecology**" ("**Ökologie**") was firstly used in 1866 by the German scientist Ernst Haeckel (1834–1919).

Food Web

- A food web is the ecological network.
- Plants capture solar energy and use it to synthesize simple sugars during photosynthesis.

Food Chain

- The simplified linear feeding pathways that move from a basal trophic species to a top consumer.

Chesapeake Bay Waterbird Food Web

