

Fun Fact!

- Total species known to science
- 1,412,000 species

Biodiversity

What is a Biome

- An area defined by either its vegetation or physical characteristics of the environment.

What is an ecosystem

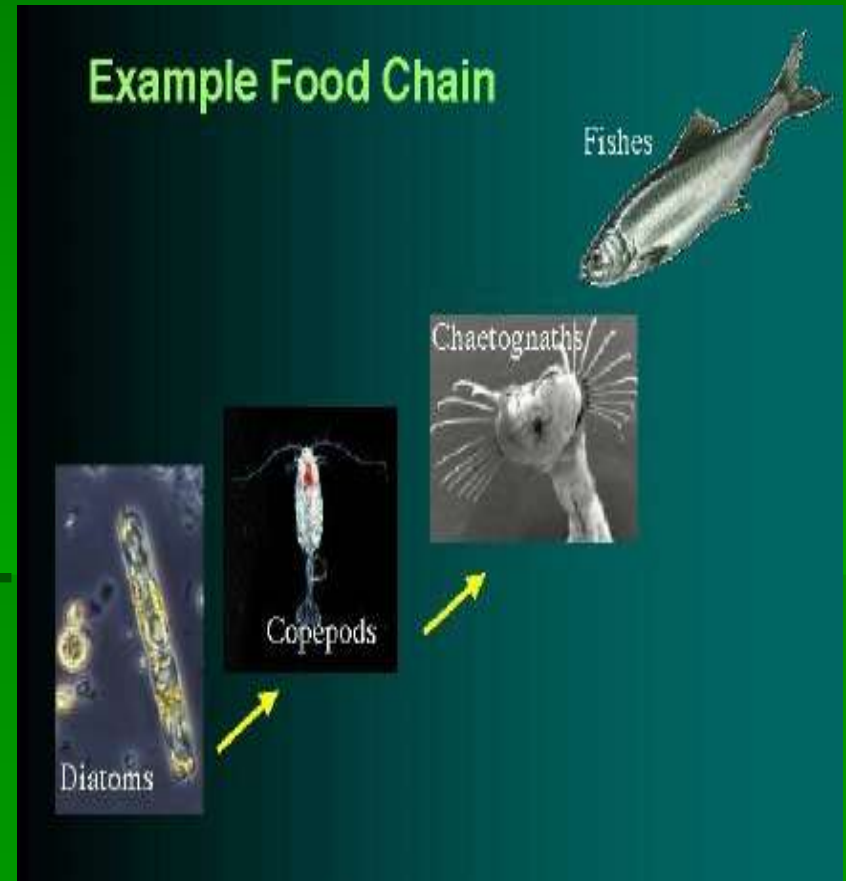
- A community of organisms, together with the physical environment in which the organisms live.

Community

- An association of populations of different species that live in the same area.

Food Chain

- A single sequence of which organism eats which organism in a community.
- This is not how it happens in real life. This is to help us follow the different levels o.



Energy transfer of the food Chain

- Level 1 – Primary Producers
 - Organisms that get their energy from the sun or nutrients
- Level 2- primary consumers
 - Herbivores- organisms that eat the primary producers.

Members of the food Chain

- Level 3- Secondary consumers
 - - Carnivores – organisms that eat the primary consumers.
- Level 4- Decomposers
 - - Organisms that get their energy from the dead or dying organisms and then place vital nutrients back into the environment.

Food webs

- The movement of food through an ecological community.
- A food web is formed by connecting all of the different food chains in the community to each other.

Food webs

- Food webs also take into consideration organisms that do not fit nicely into a category. Such as omnivores.
- Omnivores eat both meat and plants
- What about bacteria, they play a part in the cycle of transferring energy and nutrients around an ecosystem?

Constructing a food web

- By looking at a community closely scientist can construct a food web that is roughly accurate to how energy and nutrients are transferred.