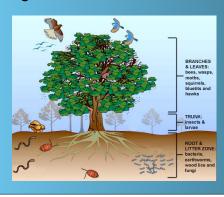


Ecosystem Interactions

 An ecological niche: the role an organism performs in an ecosystem; closely associated with feeding



Ecosystem Interactions • A habitat: the physical environment where an organism lives

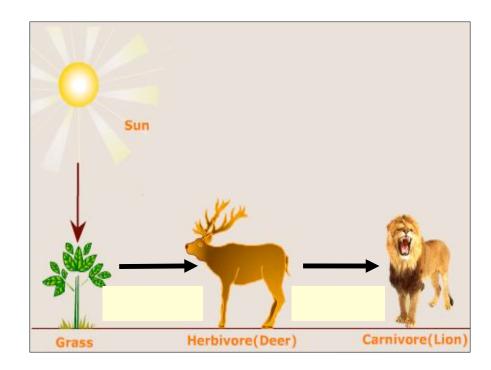
Ecological Interactions

• <u>Food chain:</u> step by step linkage of organisms within an ecosystem, in which each organism feeds on the one before it and is fed on by the one after it.

Primary source of energy is _____ the sunAll food chains start with a _____ producer

Arrows show the pathway of ______ energy flow

Sun _____ Grass _____ Deer ____Lion



Ecological Niches

Producers (Autotrophs):

An organism that makes its own food by the process of photosynthesis.

Examples:

Plants

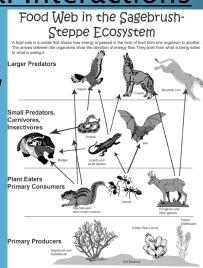
Algea

Cyanobacteria



Ecological Interactions

 Food web: is a complex of interrelated food chains in an ecological community.



Ecological Niches

Consumers (Heterotrophs):

An organism that ingests other organisms or organic matter in a food chain.

Examples:

Any Animal



Ecological Niches

Herbivores:

An animal that feeds chiefly on plants.

Examples:

- Rabbit
- Horse
- Cow
- Lamb



Ecological Niches

Omnivores:

An organism that feeds on animals and plants.

Examples:

- Bear
- Human
- Racoon



Ecological Niches

Carnivores:

An animal that feeds on another animal.

Examples:

- Lion
- Wolf
- FoxTiger



Ecological Niches

Scavenger:

An organism that feeds on dead material.

Examples:

- Vultures
- Crows
- Hyena



Ecological Niches

Decomposers or Detritivores:

An organism, often a bacterium or fungus, that feeds on and breaks down dead plant or animal matter, thus making organic nutrients available to the ecosystem.

**Our nutrient recyclers!

Examples:

- Earthworms
- Beetles
- Flies



