Chapter 1 Lesson 3

Energy in Ecosystems

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Terms:

**Herbivore:** an animal that eats plants

**Consumer:** living things that use other organisms as food to get energy

**Carnivore:** an animal that eats other animals

**Energy pyramid**: show the amount of energy at each level of the food chain

**Food Chain:** show the sequence in which organisms in an ecosystem consume one another

**Food web**: formed when food chains are linked together

**Omnivore:** a living thing that eats plants and animals

**Producer:** a living thing that uses energy from the sun to make food.

**How do plants function in the environment?**

* Most of plant’s material comes from water
* Plants use energy from the SUN to make food

**How do organisms depend on one another?**

* Producers make their own food
* Consumers can’t make their own food; they eat producers or other consumers
* Herbivores: only consume plants
* Carnivores only consume meat
* Omnivores eat both plants and animals

**What is a food chain?**

* Food chain: order in which organisms in an ecosystem are eaten
* Food chains begin with producers and end with decomposers

**What is a food web?**

\*Food chains that are connected are called FOOD WEBS

\* If more than one organism in a food web takes part in a food web, COMPETITION takes place

\* land food webs have many herbivores such as deer, small birds, and mice

**What is a food pyramid?**

* energy travels from producers to herbivores, then to carnivores
* energy pyramid: shows amount of energy at each level of the food chain