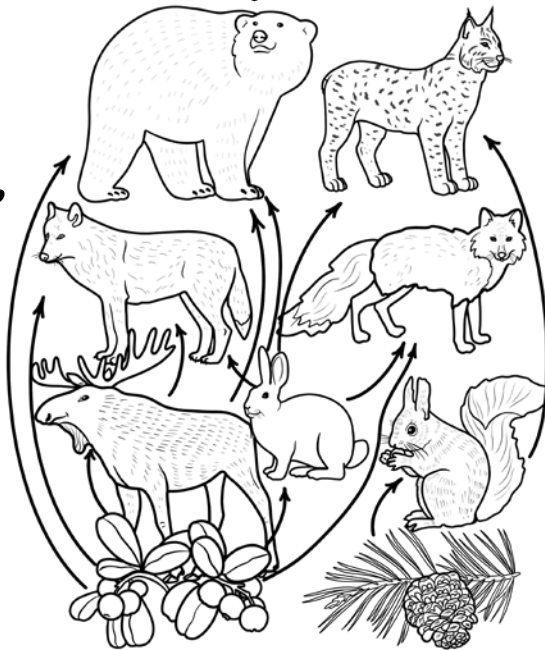


ENERGY FLOW

in
Ecosystems



Name: _____

photosynthetic chemical chemosynthetic energy



What are producers?



Producers make their own
_____ from materials within
their environments.

Most producers are
_____.

They use light energy to make their food.

Some producers are chemosynthetic.

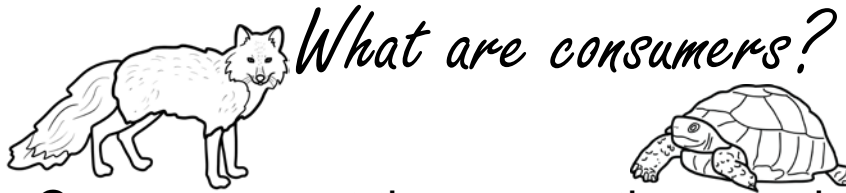
This means that they use
_____ energy. Some bacteria
are _____.



Producers



plants meat plants & animals consuming



What are consumers?

Consumers get the energy they need to survive by _____ other organisms.

What does each type of consumer eat?

carnivore

herbivore

omnivore

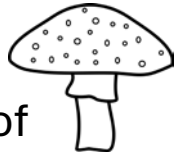


Consumers



remains carbon dioxide recycle decomposed
detritivore ecosystem decomposer

What are detritivores?



A _____ is a type of consumer that is often called a _____ . They get their energy by eating the _____ of other organisms.



During decomposition, decomposers produce _____ that is released into the atmosphere. Decomposers help _____ nutrients through ecosystems. Matter that is _____ can enter the soil or water.

Without decomposers, dead plant and animal matter would overwhelm an _____ .

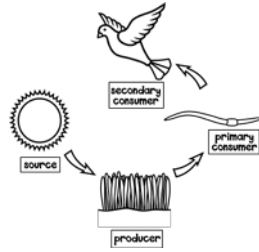


Detritivores



Arrows food chain organisms food web
consumers producer sun

What are food chains?



A _____ is a simple model that shows how energy moves from the _____ to a _____, and then to one or more

_____. _____ show the transfer of energy.

What are food webs?



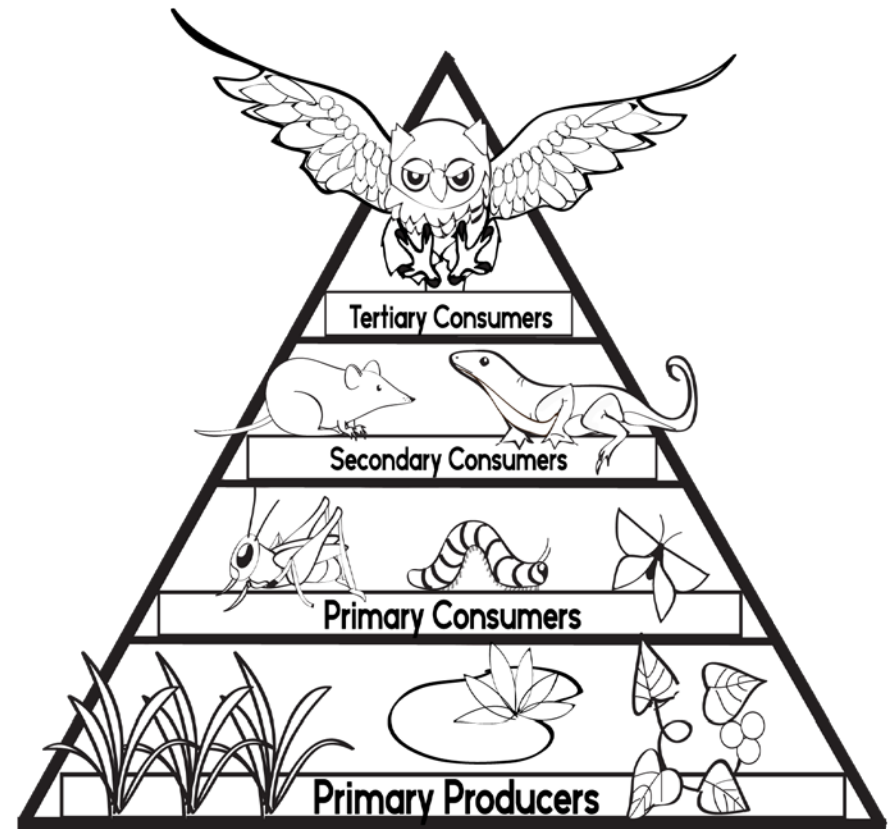
A _____ shows how food chains are interconnected in a community. Some _____ in a food web can be a part of more than one food chain in the web.

Food Chains & Food Webs

pyramids

energy

Food chains and food webs show how _____ moves in an ecosystem. Energy _____ show how much energy is available at each trophic level.



Energy Pyramid

Answer Key

energy
photosynthetic
chemical
chemosynthetic

consuming
carnivore – meat
herbivore – plant
omnivore – plants & animals

Detritivores
decomposer
remains
carbon dioxide
recycle
decomposed
ecosystem

food chain
sun
producer
consumers
Arrows
food web
organisms

energy
pyramids