

Review Game

Ecology

Cycles of Matter

Biomes

Worksheets to Study

- Reinforcement Packet
- Directed Reading on Cycles of Matter
- Ecology packet (1st page is titled, "Environmental Organization")
- Notes Taking Guide for the Biomes - focus on major features of each biome
- Play this review game.

1

List the 5 levels of environmental organization, in order, from the lowest level to the highest level.

1

List the 5 levels of environmental organization, in order, the lowest level to the highest level.

A: Organism, Population,
Community, Ecosystem,
Biosphere

2

Mutualism, Commensalism,
and Parasitism are all
types of _____
relationships.

2

Mutualism, Commensalism,
and Parasitism are all
types of symbiotic
relationships.

A mouse is a consumer who feeds on berries and insects. This type of consumer is called a(n)

_____.

A mouse is a consumer who feeds on berries and insects. This type of consumer is called a(n) omnivore.

21

A tiger is chasing down a zebra for dinner. What term describes the tiger's role in this scenario?

21

A tiger is chasing down a zebra for dinner. What term describes the tiger's role in this scenario?

A: Predator

A tiger is chasing down a zebra for dinner. What term describes the zebra's role in this scenario?

5
A tiger is chasing down a zebra for dinner. What term describes the zebra's role in this scenario?

A: Prey

6

Elephants feed on grasses, small plants, bushes, fruit, tree bark, and roots. An elephant is what type of consumer?

6

Elephants who feed on grasses, small plants, bushes, fruit, tree bark, and roots. An elephant is what type of consumer?

A: Herbivore

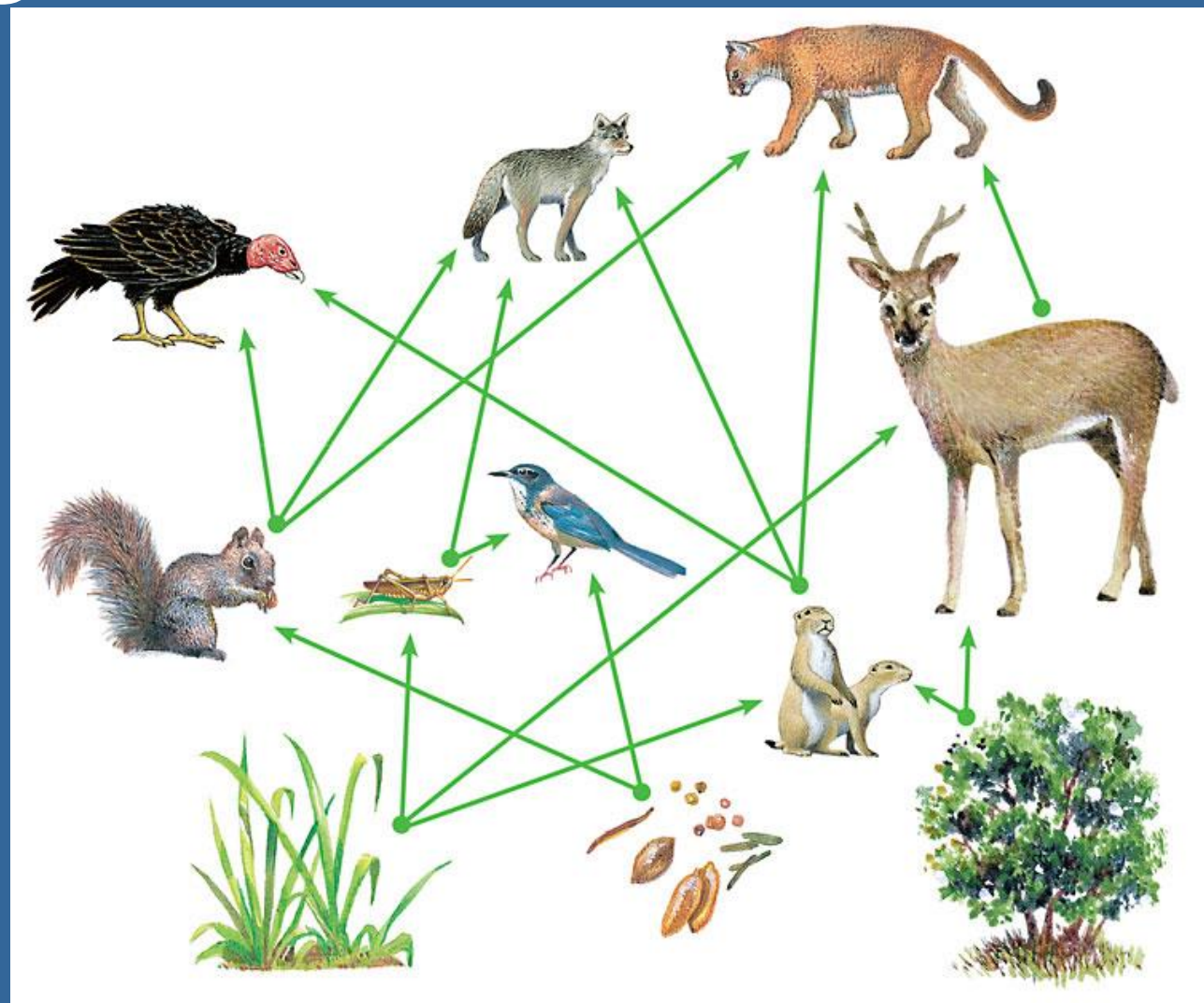
7 Tapeworms are obtained by ingesting contaminated food or water. When the tapeworm enters your body, it benefits from the substances in your intestines while you are harmed. What term describes the symbiotic relationship between you and the tapeworm?

7 Symbiotic relationship
between the tapeworm and
you:

A: Parasitism

8

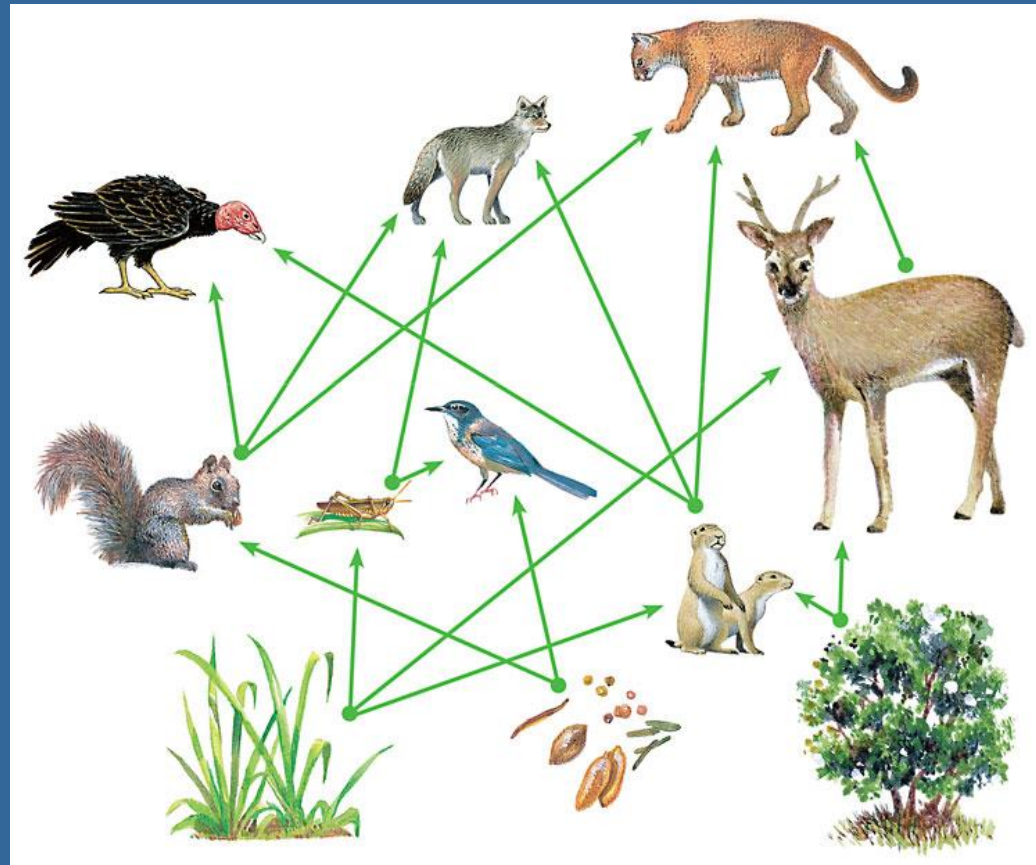
What is the term for the diagram below?



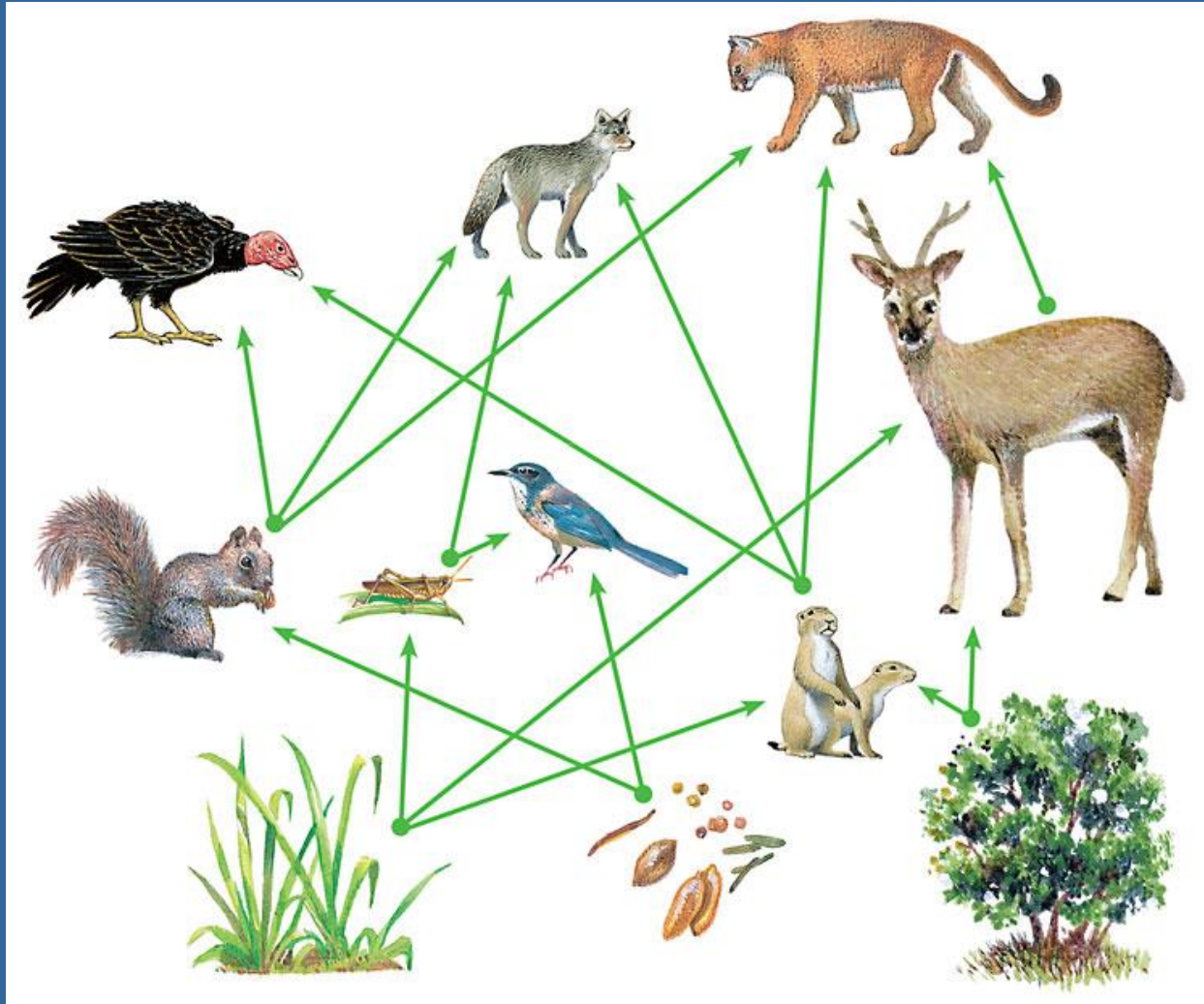
8

What is the term for the diagram below?

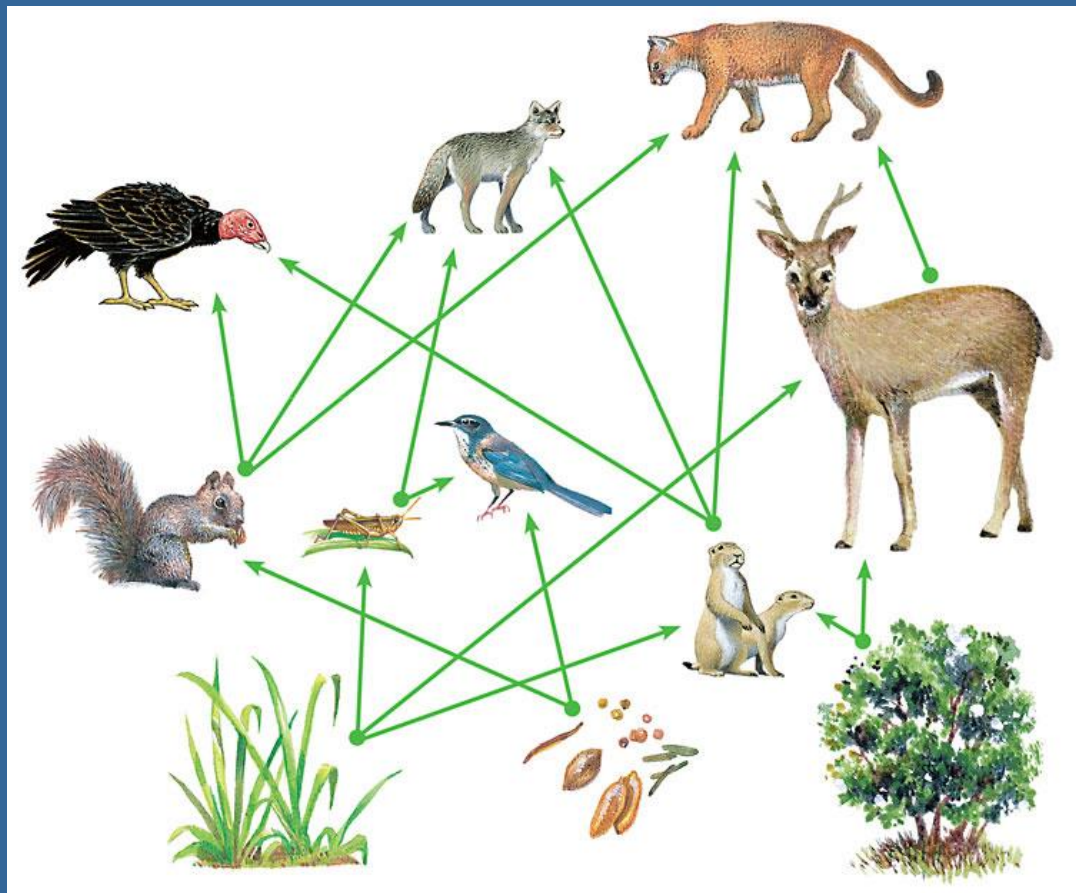
A: Food Web



8a What do the arrows in this diagram show?



A: How energy moves when one organism eats another.



What is the term for the diagram below?

Energy Sunlight is the source of energy for almost all living things.

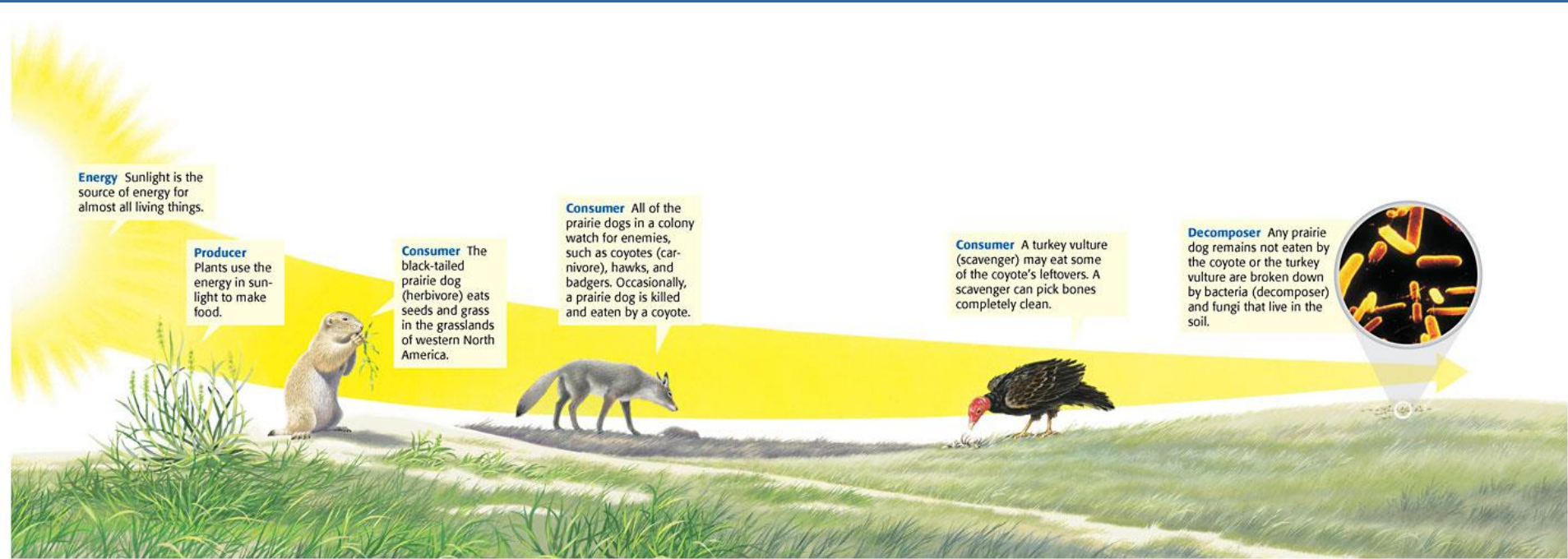
Producer Plants use the energy in sunlight to make food.

Consumer The black-tailed prairie dog (herbivore) eats seeds and grass in the grasslands of western North America.

Consumer All of the prairie dogs in a colony watch for enemies, such as coyotes (carnivore), hawks, and badgers. Occasionally, a prairie dog is killed and eaten by a coyote.

Consumer A turkey vulture (scavenger) may eat some of the coyote's leftovers. A scavenger can pick bones completely clean.

Decomposer Any prairie dog remains not eaten by the coyote or the turkey vulture are broken down by bacteria (decomposer) and fungi that live in the soil.



What is the term for the diagram below?

A: Food Chain

Energy Sunlight is the source of energy for almost all living things.

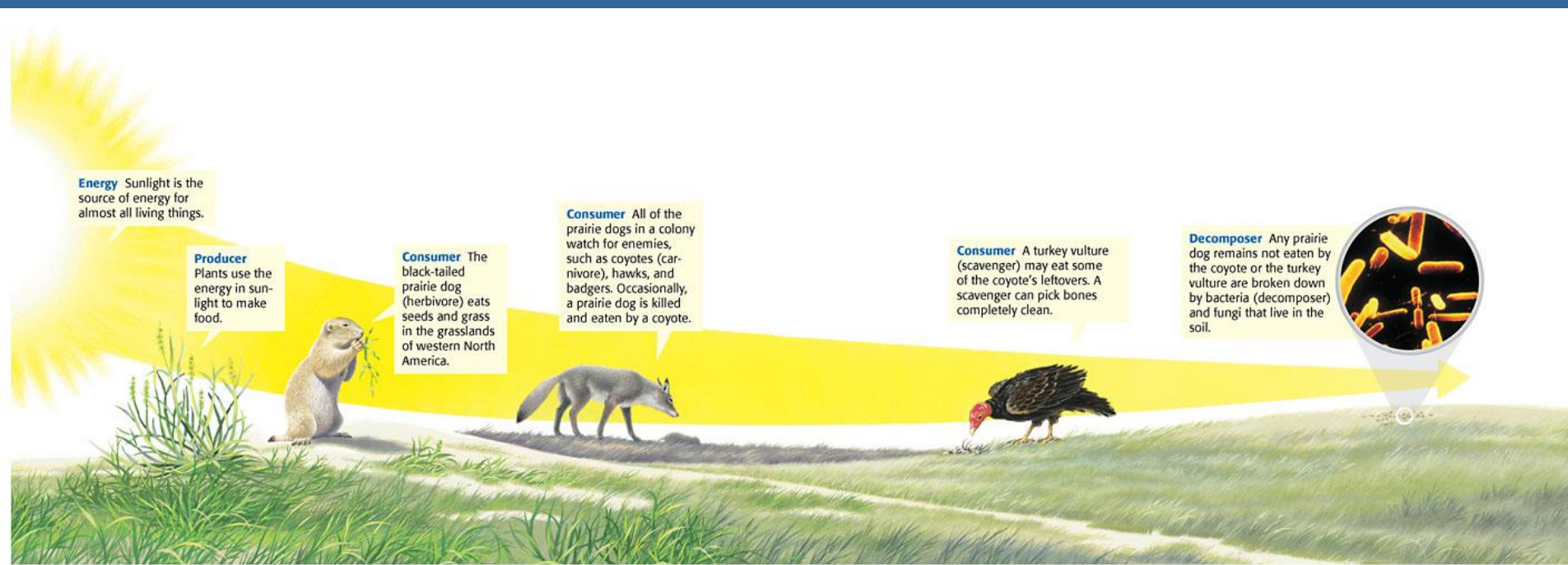
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Decomposer Any prairie dog remains not eaten by the coyote or the turkey vulture are broken down by bacteria (decomposer) and fungi that live in the soil.



10 Wolves in Yellowstone feed on elk, cows, and sheep. What term describes the elk, cows, and sheep?

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A: Prey

A tick bird eats the ticks on a rhinoceros, and the rhinoceros is cleaned of ticks. What describes the symbiotic relationship between the tick bird and the rhinoceros?

A tick bird eats the ticks on a rhinoceros, and the rhinoceros is cleaned of ticks. What describes the symbiotic relationship between the tick bird and the rhinoceros?

A: Mutualism

A tick bird eats the ticks on a rhinoceros, and the rhinoceros is cleaned of ticks. What describes the symbiotic relationship between the tick and the rhinoceros?

A tick bird eats the ticks on a rhinoceros, and the rhinoceros is cleaned of ticks. What describes the symbiotic relationship between the tick and the rhinoceros?

A: Parasitism

A *T. rex* fed only on other dinosaurs. What type of consumer describes a *T. rex*?

A *T. rex* fed only on other dinosaurs. What type of consumer describes a *T. rex*?

A: Carnivore

Organisms that obtain energy by making their own food using the sunlight are called

_____.

Organisms that obtain energy by making their own food using the sunlight are called producers.

Rocks, water, sunlight and temperature are all types of _____ factors.

Rocks, water, sunlight and temperature are all types of abiotic factors.

What is the lowest level of environmental organization that all of the following things could belong to?

Owls, trees, bacteria, mice, hawks, and snakes.

What is the lowest level of environmental organization that all of the following things could belong to?

Owls, trees, bacteria, mice, hawks, and snakes.

A: Community

16 Barnacles attach to whales and get a habitat and a source of nutrients. The whale neither benefits nor is harmed. What term describes the symbiotic relationship between the whale and the barnacle?

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A: Commensalism

List the three terms that describe the ways organisms obtain energy.

List the three terms that describe the ways organisms obtain energy.

A: Producer, Consumer,
Decomposer

What is the lowest level of environmental organization that hundreds of hawks belong to?

What is the lowest level of environmental organization that hundreds of hawks belong to?

A: Population (because they are all members of the same species.)

What term describes the level of environmental organization that encompasses both the living and nonliving environment of a community?

What term describes the level of environmental organization that encompasses both the living and nonliving environment of a community?

A: Ecosystem

This is the study of the interactions of living organisms with one another and with their environment.

This is the study of the interactions of living organisms with one another and with their environment.

A: Ecology

Because grass is a finite resource, the population of elk can not grow beyond a certain point. What term describes the grass in this scenario?

Because grass is a finite resource, the population of elk can not grow beyond a certain point. What term describes the grass in this scenario?

A: Limiting Factor

The _____
describes the largest
population that an
environment can support
at any given time.

The carrying capacity describes the largest population that an environment can support at any given time.

What is the name of a diagram that shows an ecosystem's loss of energy as a result of energy passing through the ecosystem's food chain?

What is the name of a diagram that shows an ecosystem's loss of energy as a result of energy passing through the ecosystem's food chain?

A: Energy Pyramid

This describes the part of the Earth where life exists. It is also the highest level of environmental organization.

This describes the part of the Earth where life exists. It is also the highest level of environmental organization.

A: Biosphere

On a farm, chickens, cows, grass, pigs, and humans are all examples of _____ factors.

On a farm, chickens, cows, grass, pigs, and humans are all examples of biotic factors.

Organisms that get energy by breaking down dead organisms and recycling nutrients back into the environment are considered to be _____.

Organisms that get energy by breaking down dead organisms and recycling nutrients back into the environment are considered to be decomposers.

What do the populations of wasps, bees, and trees in an area make?

What do the populations of wasps, bees, and trees in an area make?

A: Community

(these are all living things)

Trees obtain energy by
converting sunlight into food.
Trees are an example of a

_____.

Trees obtain energy by converting sunlight into food. Trees are an example of a producer.

Write the formula for photosynthesis.

Write the formula for photosynthesis.

A: sunlight + CO₂ + H₂O → O₂ + glucose

Write the formula for cellular respiration.

Write the formula for cellular respiration.



What is the source of energy for almost all living things on Earth?

What is the source of energy for almost all living things on Earth?

A: The sun

List the three types of consumers.

List the three types of consumers.

A: herbivore, omnivore,
carnivore

In a food web, which kind of organism will never have an arrow pointing at it? A producer or a consumer?

In a food web, which kind of organism will never have an arrow pointing at it? A producer or a consumer?

A: A producer

34a

What do organic molecules contain?

34a

What do organic molecules contain?

A: Carbon

Name 2 ways that carbon dioxide is released back into the environment.

Name 2 ways that carbon dioxide is released back into the environment.

A: Combustion,
Decomposition, or
Respiration