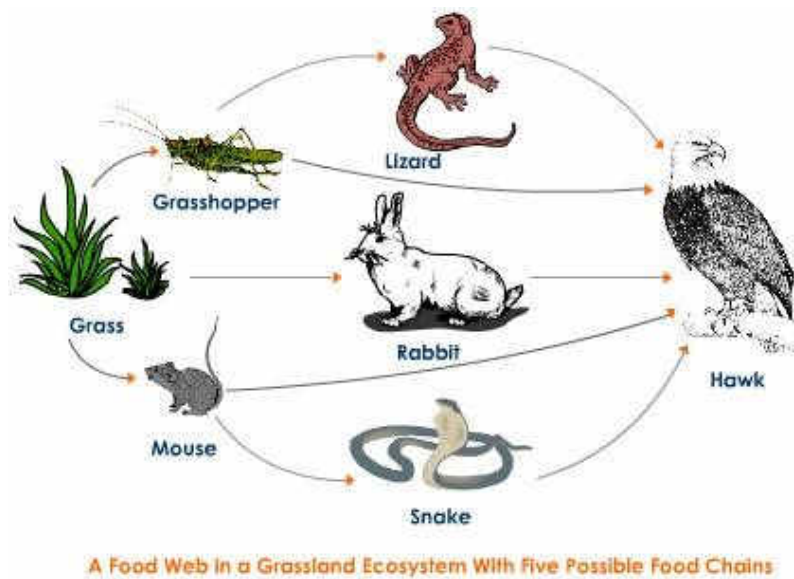


May 14th

1. What is this picture called?
2. Name a primary consumer.
3. Name the producer.
4. What will happen to all the organisms when they die?

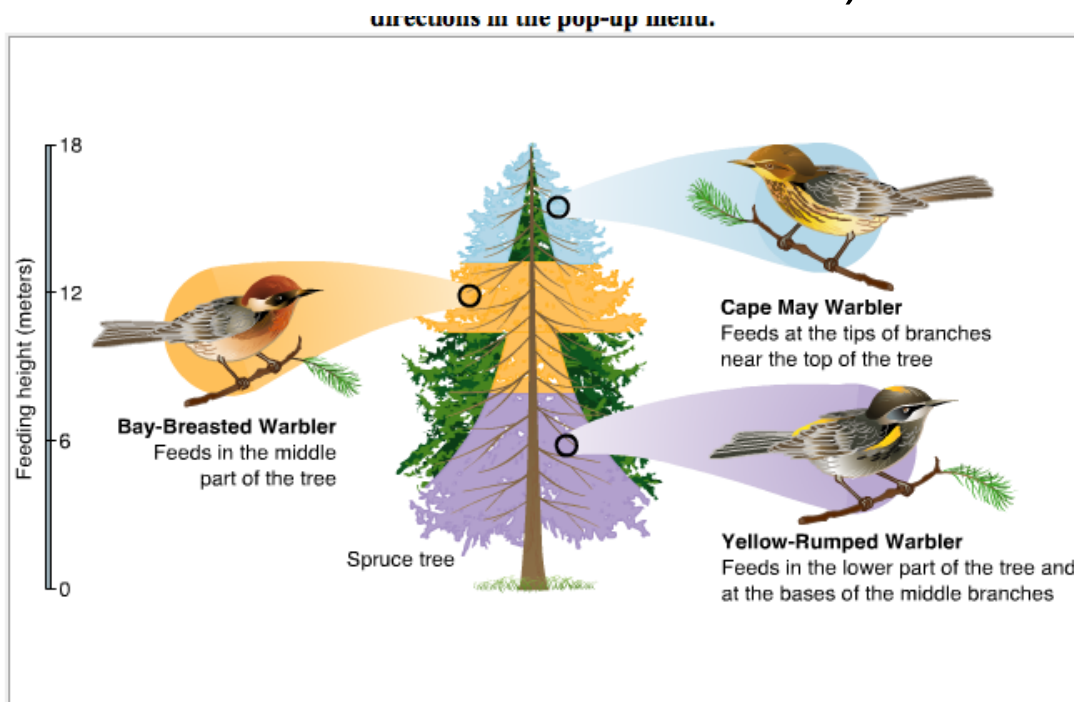


Community Interactions

Habitat: All biotic and abiotic factors in an area where an organism lives.



Niche: All physical, chemical, and biological factors that a species needs to survive, stay healthy, and reproduce. (its role and position it has in the environment)



Warbler Niches Each of these warbler species has a different niche in its spruce tree habitat. By feeding in different areas of the tree, the birds avoid competing with one another for food. **Inferring** What would happen if two of the warbler species attempted to occupy the same niche?

A niche includes:

- 1) food: type, compete w/ others, food web
- 2) abiotic: temp., amount of H_2O factors
- 3) behavior: time of day its active
where & when they reproduce

A habitat is **where** a species lives and
a niche is **how** it lives within its habitat.

Community interactions:

competition

predation

symbiosis

Competition: 2 organisms fight for the same limited resource.

Interspecific competition:

between diff. species

Intraspecific competition:

within the same species

Predation: one organism captures and feeds upon another organism.

predator:

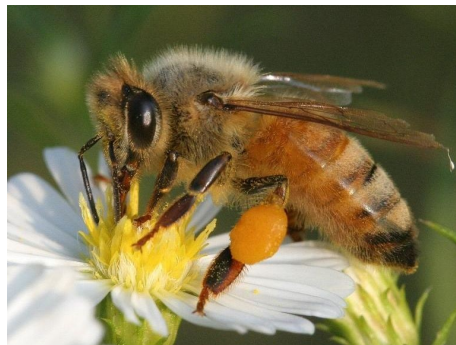
prey:

Symbiosis: a close ecological relationship between two or more organisms of different species that live in direct contact with one another.

+ benefits

- harmed

0 not affected



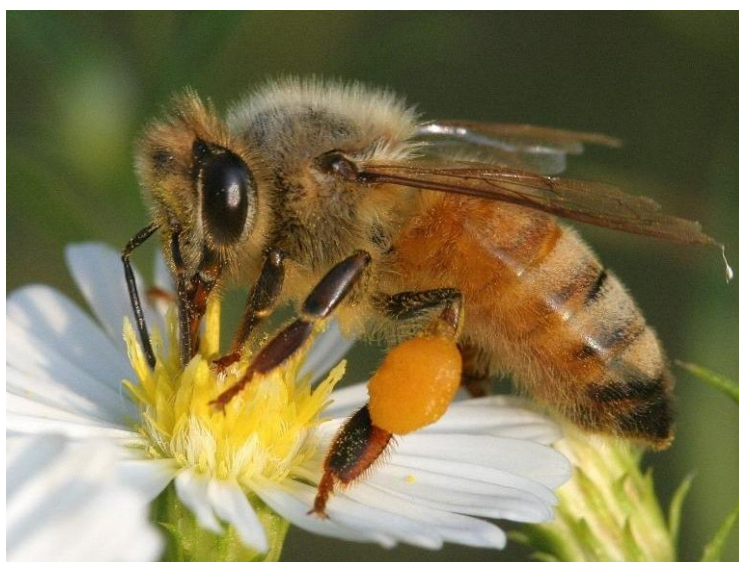
3 types:

mutualism

commensalism

parasitism

Mutualism: interaction where both species benefit.



ex.
bee +
flower +

Commensalism: relationship where one organism receives a benefit from the other, but the other is neither harmed nor benefited.

ex:
whale ○
barnacle +



Parasitism: one organism benefits the other is directly harmed.

— unlike predation, a parasite benefits by keeping its host alive.

2 types:

ectoparasites : Outside body
ex: tick

endoparasites : inside body
ex: tapeworm



dog: -
flea: +

