

Predation

an act of one

_____ feeding on
another

Example: A
_____ eating a
_____.

Parasitism

- One organism _____ and the other suffers



www.fielddog.com/ftm/ticks.gif

gecko.gc.maricopa.edu/.../platyhelminthes/tapeworm.jpg

Plant defenses

Secondary compounds- defensive chemicals in plants

The mustard plants has mustard oils. Sometimes the taste deters insects.

Symbiosis

two or more species
_____ together in a
close, long-term

(relationship)

Commensalism

- One species benefits and the other does _____ benefit _____ is harmed



[www.athensguide.com/zoo/ images/birds.JPG](http://www.athensguide.com/zoo/images/birds.JPG)

Certain tropic fish live inside sea anemones. Sea anemones have tentacles that sting. The clown fish have the ability to live in the sea anemones and not be paralyzed.

Mutualism

A
relationship
where _____
benefit



[www.spacesciencegroup.nsula.edu/ .../graphics/symbiosis.jpg](http://www.spacesciencegroup.nsula.edu/.../graphics/symbiosis.jpg)

Aphids are another example of mutualism. Aphids live on certain plants and eat the sucrose in the plants. Most of this honeydew runs out their anus in an altered form. Certain ants eat this honeydew that runs out the ants anus.

Competition- when two species use the same _____

For example they could be competing for food, water, and living space.

Niche- the functional role of a _____
species in an ecosystem

This could include the food an organism eats, the _____ it takes up, the temperature it _____, and other factors.

This is not to be confused with habitat. A niche is an organism's pattern of living.

Fundamental niche

the _____range of conditions an organisms is potentially _____to occupy within an ecosystem

Realized niche

the part of its fundamental niche
that a species _____

This may only be a _____ part of
the fundamental niche.

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Predation can help with competition.

For example, sea stars are predators of mussels and clams. When sea stars were removed the amount of their prey species went from 15 to 8. This is because the mussels became so powerful they took over space.

Biodiversity

the variety of living organisms
present in a _____
