

Predation

an act of one
organism
feeding on
another

Example: A
lion eating a
zebra.

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Parasitism

- One organism
benefits and the
other suffers
- Tapeworm



www.fielddog.com/ftm/ticks.gif

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

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Plant defenses

Secondary compounds- defensive chemicals in plants

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

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Symbiosis

Finding
Nemo

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

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Commensalism

- One species benefits and the other does ~~NOT~~ benefit ~~NOR~~ is harmed



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

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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.

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Mutualism

A
relationship
where both
benefit



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

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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.

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Competition- when two species use the same resource

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

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

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

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

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Fundamental niche

the entire range of conditions an organism is potentially able to occupy within an ecosystem

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Realized niche

the part of its fundamental niche that a species occupies

This may only be a small 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.

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Biodiversity

the variety of living organisms present in a community

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