

Symbiosis

Symbiosis occurs when two species live together in a close long-term association.

All living things have the same basic requirements:

- Food/Nutrition
- Shelter/Living space
- Water

In a symbiotic relationship at least one of the organisms involved is meeting one of the basic needs for living through the relationship.

Mutualism:

- a symbiotic relationship in which both participating species benefit.
- EX: Ant & Aphid
- + ant gets nutrition from the aphid's honeydew—a sugary secretion from the aphid's body.
- + the aphid gets protection from the ant against predatory insects like ladybugs.



Commensalism

- A symbiotic relationship in which one organism benefits and one is neither harmed nor helped.
- Example: Epiphytes also known as “air plants.”
live on the bark of trees.
- + the epiphyte gets space to live.
- 0 the tree is not harmed nor does it benefit in any way.



Parasitism

- Relationship in which one organism feeds on and usually lives on or in another.
- Ex: tape worm.
- + the tape worm lives inside the animals intestines and gets shelter and food.
- - the animal loses nutrition, may lose weight and become ill.

