

Ecology 3

Community Interactions

- Competition: More than one animal uses the same resource. The strong survive and the weak die.

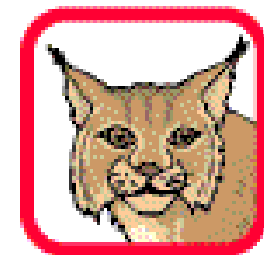
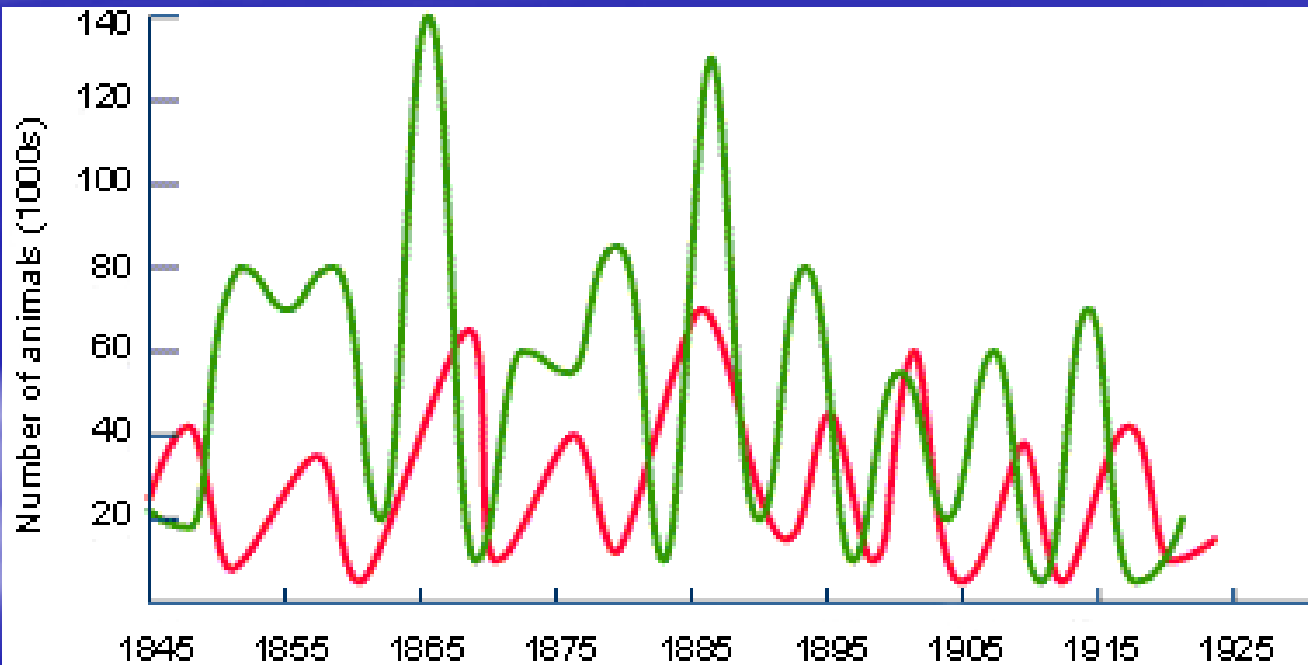


- Predation: One organism consumes another for food.

Predator-Prey Relationships

- **Prey:** The hunted or the eaten.
- **Predator:** The hunter or the eaten.
- **Carrying capacity:** The maximum number of individuals in a species that an environment can support of r the long term.

- The populations are directly related. If one goes up or down the other one follows.



Symbiotic relationships

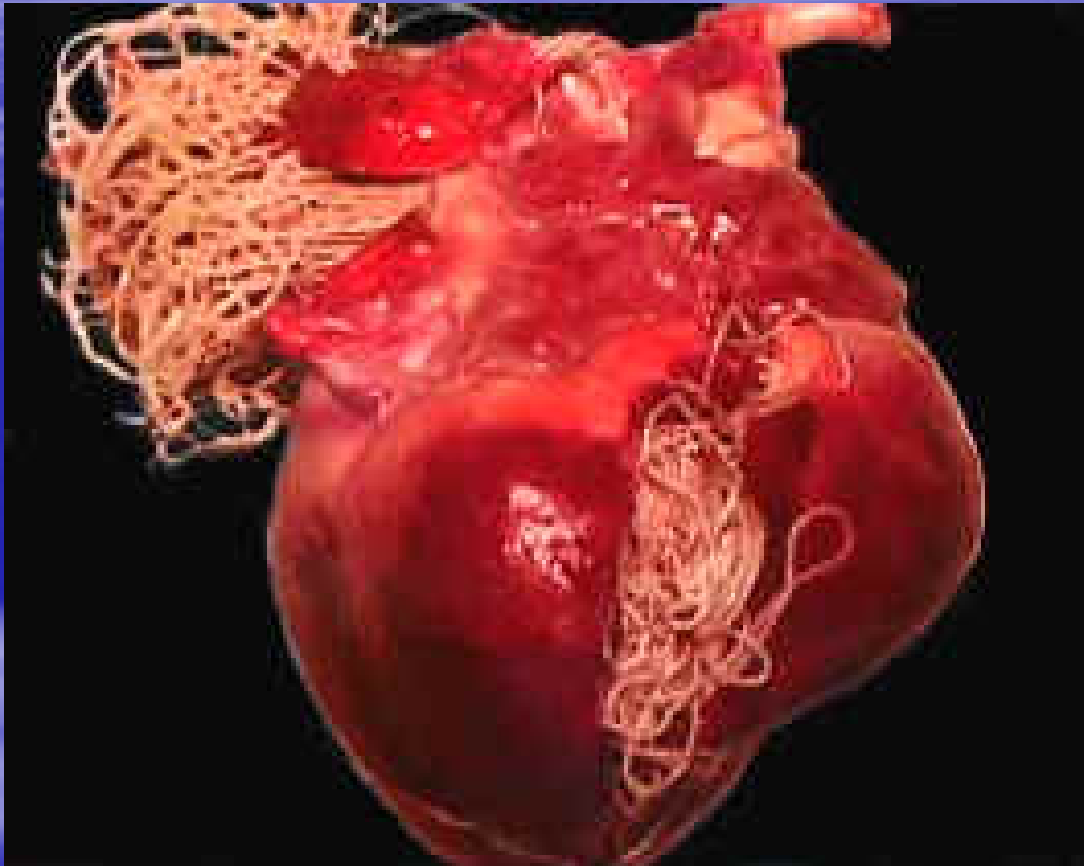
- A species survives because of a close relationship with another species.
- Symbiosis: A close relationship exists between two or more species.



- Mutualism: Two or more species live closely and benefit from each other.



- Commensalism:
A relationship where one species benefits and the other is neither harmed or benefits



- Parasitism: A relationship where one species benefits and the other is harmed.