

Mind Map on Species Interaction







A type of symbiotic relationship wherein both the species benefit from the interaction. It can be Facultative or Obligatory.





Ex. Clownfish fight off predators of anemones The Sea anemones provides shelter for the clownfish

NEUTRALISM

Neither population affects the other. Any interactions that do occur are indirect or incidental.



A Bactrian Camel and a Longtailed Tadpole Shrimp, both living in the Gobi desert.



STINE INTERACTION

SPECIES INTERACTIONS

RG PATILE INTERACTION







COMMENSALISM



A type of symbiotic relationship in which one species

Pilot fish receive scraps of food dropped by shark; Shark is neither harmed nor helped

PREDATION

Biological interaction whereby one organism (predator) hunts and feeds on another organism (prey). Apart from autotrophs, all organisms feed on other organisms. Hence, herbivory, carnivory come under predation.





PARASITISM

One species benefits to the detriment of the other species In parasitism, the organism that benefits directly from the interaction is called a parasite, or pathogen, and the organism that is consumed is called a host. Parasites and pathogens live on (Ectoparasites) or inside (Endoparasites) their bosts.







COMPETITION

A biological interaction between two organisms whereby the fitness of one is lowered by the presence of the other; can be intraspecific (between members of same species) or interspecific (between members of different species).

Limited supplies of resources (e.g. food, water, territory) usually triggers one of the two types of responses:

Competitive exclusion - One species uses the resources more efficiently, driving the other species to local extinction.

Resource partitioning - Both species alter their use of the environment to divide the resources between them.







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