

Communities and biodiversity

ST
PAGES 303–309
Complete this Concept Review so you can keep a record of what you have learned.

Definitions

- A community is a set of populations of different species sharing the same habitat.

- Biodiversity describes the variety of species living in a community.

Main components of biodiversity

Component	Description
Species richness of a community	<u>Number of species in the community</u>
<u>Relative abundance of a species</u>	<u>Number of individuals of a particular species in relation to the total number of individuals in the community</u>

Main types of interaction between individuals of a community

Interaction	Description
Competition	<u>Interaction between living organisms that seek access to the same resource in their habitat.</u>
<u>Predation</u>	<u>Interaction between two living organisms in which one feeds on the other.</u>
<u>Mutualism</u>	<u>Interaction between two living organisms that benefits both organisms.</u>
<u>Commensalism</u>	<u>Interaction between two living organisms in which one organism benefits from the relationship, while the other remains unaffected.</u>