

Ecological Relationships

	<u>Working towards Mastery (W)</u>	<u>Meeting Mastery (M)</u>	<u>Beyond Mastery (B)</u>
Ecosystems	<ul style="list-style-type: none">- Organisms in a food web (decomposers, producers and consumers) depend on each other for nutrients. So, a change in one population leads to changes in others.- The population of a species is affected by the number of its predators and prey, disease, pollution and competition between individuals for limited resources such as water and nutrients.	<ul style="list-style-type: none">- Describe how a species' population changes as its predator or prey population changes.- Explain effects of environmental changes and toxic materials on a species' population.- Combine food chains to form a food web.- Explain issues with human food supplies in terms of insect pollinators.	<ul style="list-style-type: none">- Suggest what might happen when an unfamiliar species is introduced into a food web.- Develop an argument about how toxic substances can accumulate in human food.- Make a deduction based on data about what caused a change in the population of a species.