

Populations

Revision notes · What populations, communities and ecosystems are, using a pond as the example.

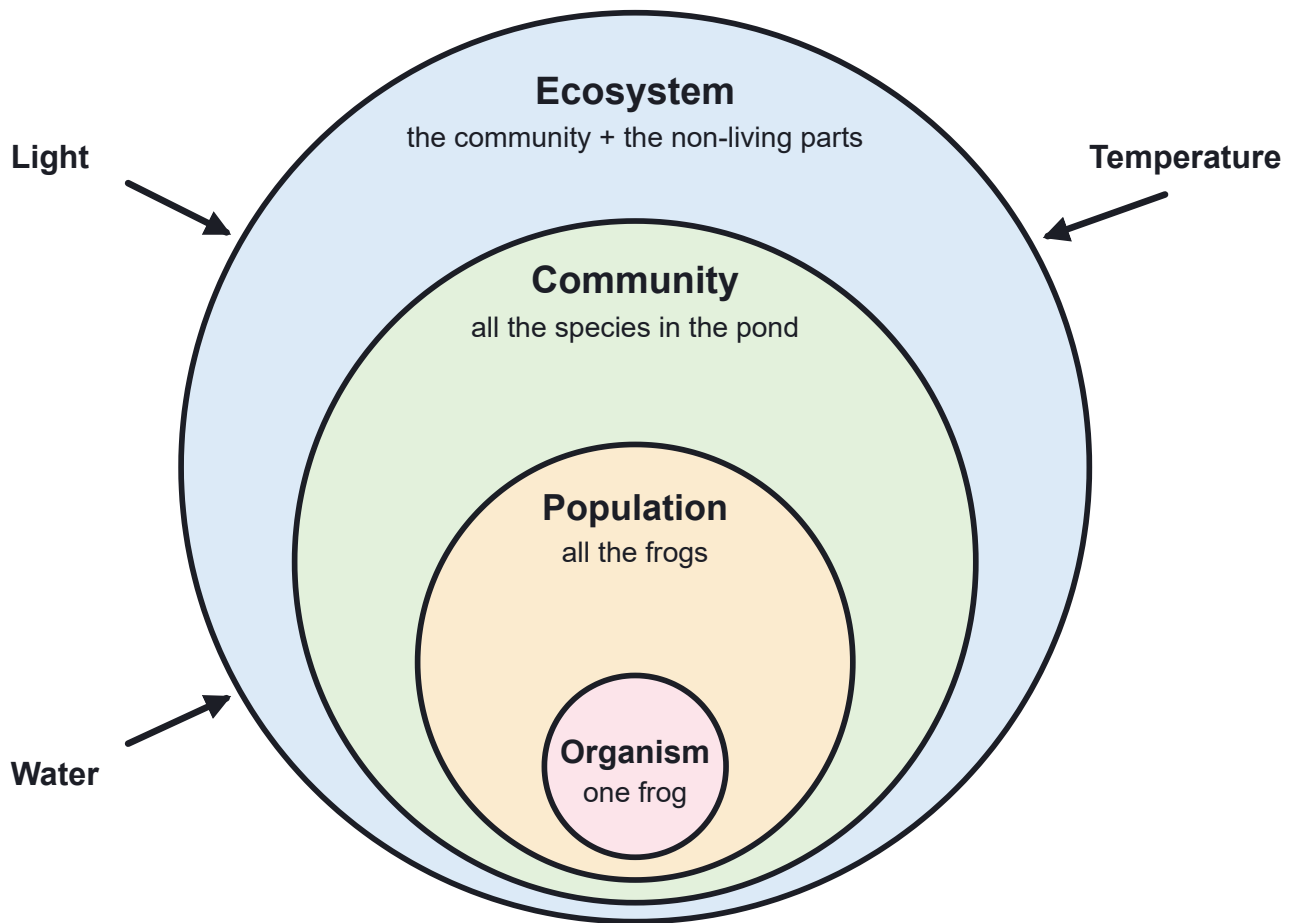
For Cambridge IGCSE Combined Science 0653. **Supplement** is Extended content, only examined on Papers 2 and 4.

Populations Spec B16.1

Populations, communities and ecosystems Spec B16.1.1

Population	A group of organisms of one species, living in the same area, at the same time.
Community	All of the populations of different species in an ecosystem.
Ecosystem	A unit containing the community of organisms and their environment, interacting together.

Levels of organisation, using a pond as the example		
Level	Meaning	Pond example
Organism	A single living thing	One frog
Population	One species, in the same area, at the same time	All the frogs in the pond
Community	All the populations of different species in the ecosystem	All the plants, animals and microorganisms in the pond
Ecosystem	The community and its environment, interacting together	The pond community plus the water, light and temperature



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Each level contains the one before it. The **ecosystem** is the community plus its environment.

Quick check

1. Define a population.
2. Define a community.

Quick check answers

Populations

1. A group of organisms of one species, living in the same area, at the same time.
2. All of the populations of different species in an ecosystem.