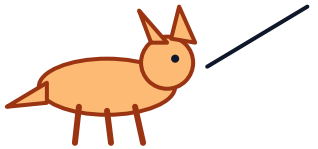
Biology 20

Unit B: Ecosystems and population change

Scientific names and human impact

Lynx canadensis on a label

- The name card uses two words, and the first word starts with a capital L.
- People in another language can still look up that same lynx.



Lynx canadensis

Genus species

Genus is the group. Species is the kind.
A capital on the second word breaks the name.
Italic in print. Underline when you handwrite.

Feed first, then the two-word name

- Plants build food with light, animals eat other organisms, and fungi absorb digested food.
- The genus is the group. The species epithet picks one member.
- A field list writes the genus with a capital and the species word in lowercase.

Key terms

binomial nomenclature

The two-word scientific name: a genus and a species epithet.

introduced species

A species people bring into an ecosystem where it was absent from the local community.

genus

The first word of a scientific name, shared by closely similar species.

species epithet

The second word of a scientific name, which picks out one species in the genus.

A new arrival can take the space

- Purple loosestrife can crowd out cattails along a marsh edge.
- Tropical fish released in the Banff hot springs live where the water stays warm.
- A drained wetland removes the shallow habitat whole communities use.



Scientific name format

- Capitalize the genus. Keep the species epithet lowercase.
- Add the feeding type when the question asks for the kingdom clue.

Marsh restoration options

- Name the introduced plant and the local plant it crowds.
- Pick one action and say which animals gain nesting space.

Names and change

- Write one binomial with the capital in the right word.
- Explain one introduced species using a local habitat.

A named species still varies

- The next lesson stays with one species and looks at differences inside it.
- Those differences are the raw material for natural selection.

Image credits

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