



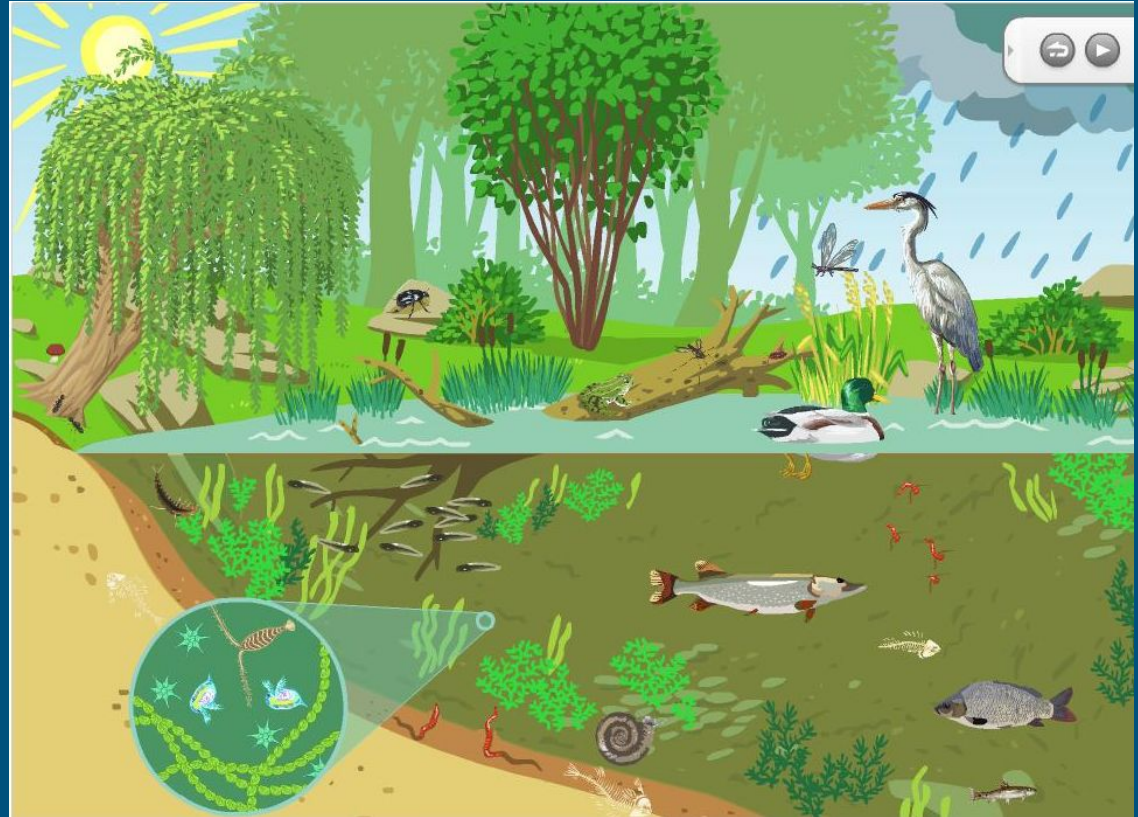
Abiotic or Biotic

How different factors interact in an
Ecosystem

What do these words mean?

- **Ecosystem** - a system of living organisms interacting with the non-living components of their environment
- **Biotic** - (Bio = Life) the LIVING factors in an ecosystem
- **Abiotic** - the NONLIVING factors in an ecosystem

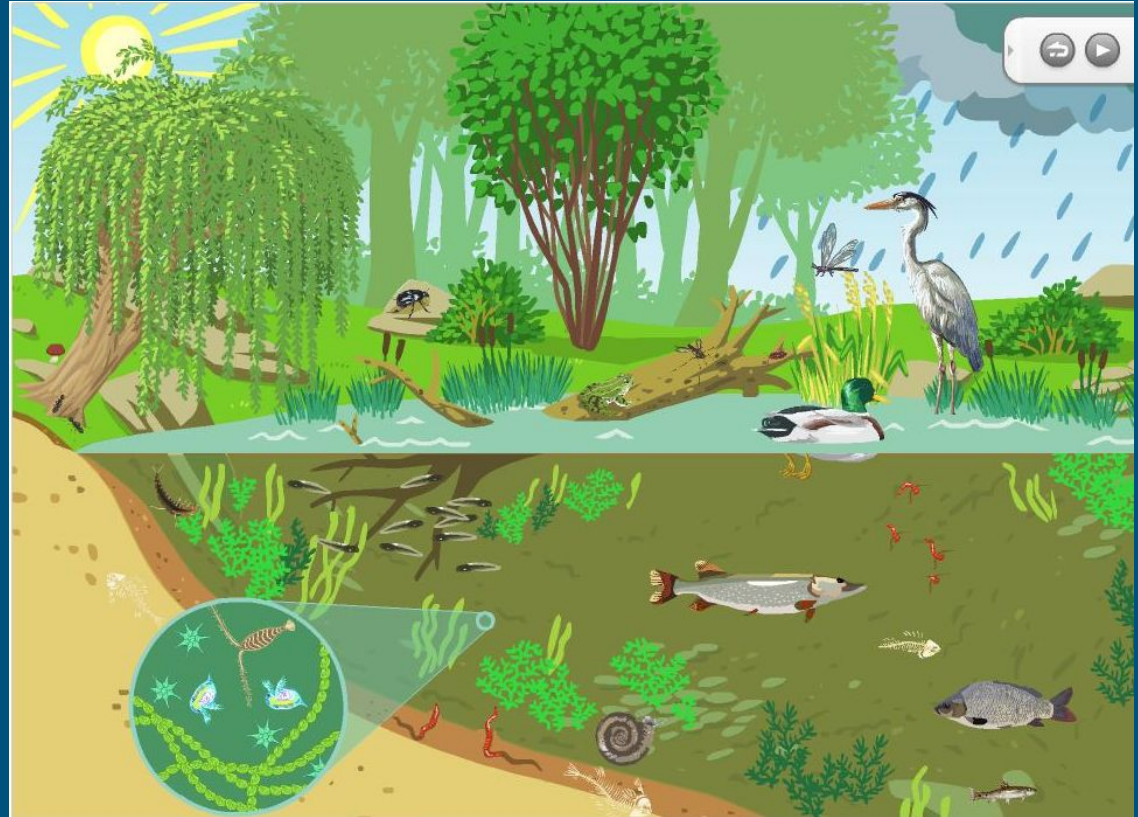
Can you find all of the Biotic (Living) Factors in this Ecosystem?



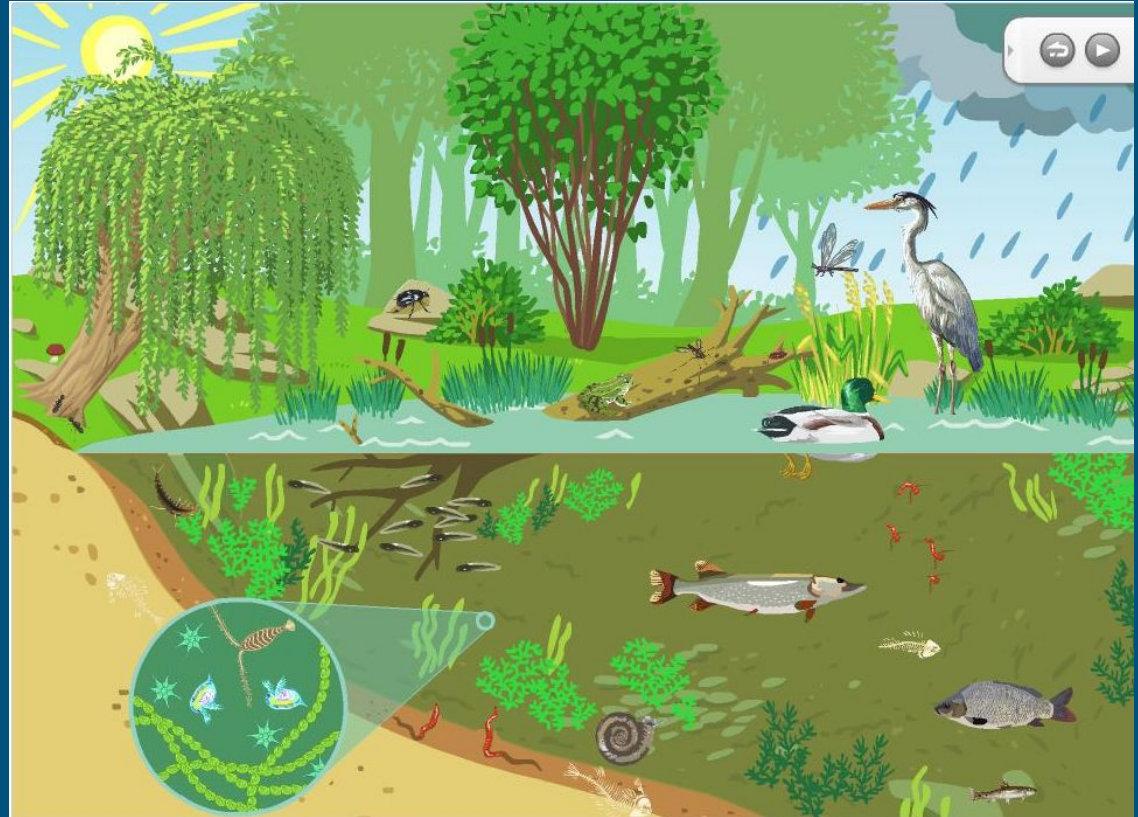
Can you find all of the Biotic (Living) Factors in this Ecosystem?

Biotic Factors -

- Fish
- Birds
- Trees/Plants
- Underwater Grasses
- Bacteria
- Insects
- Zooplankton
- Phytoplankton/Algae



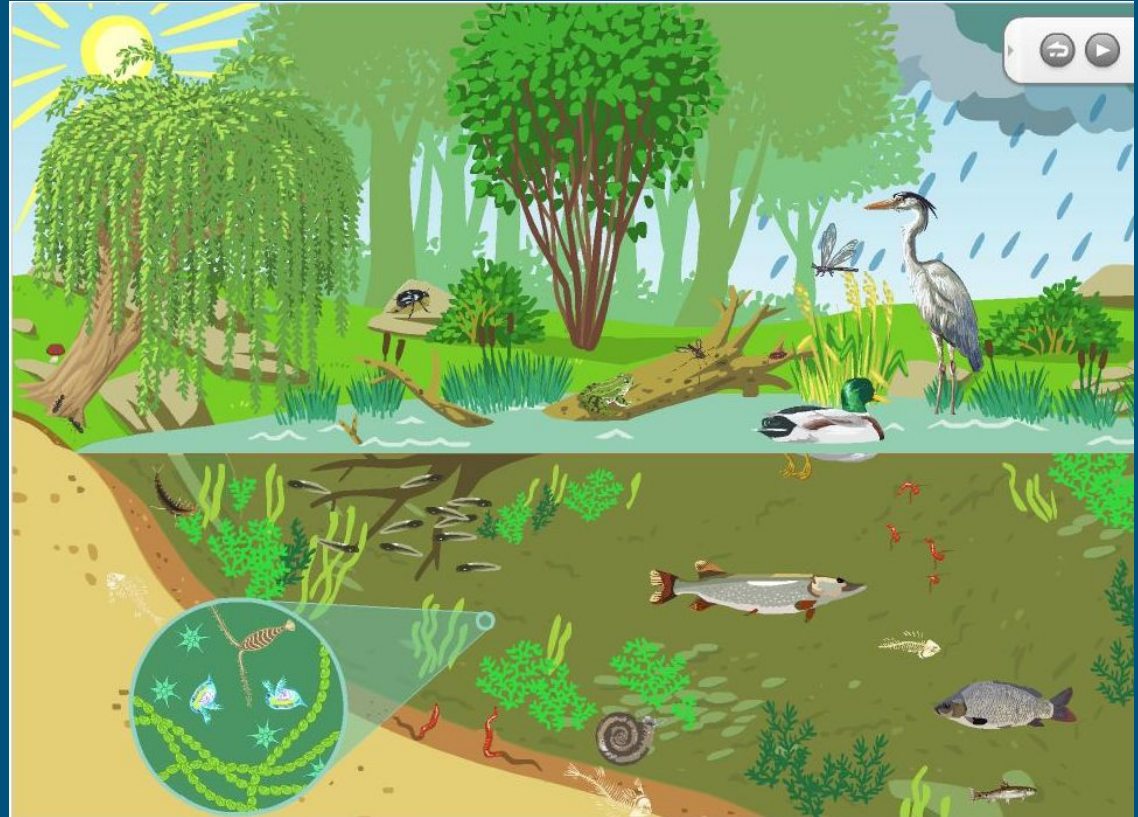
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Abiotic Factors -

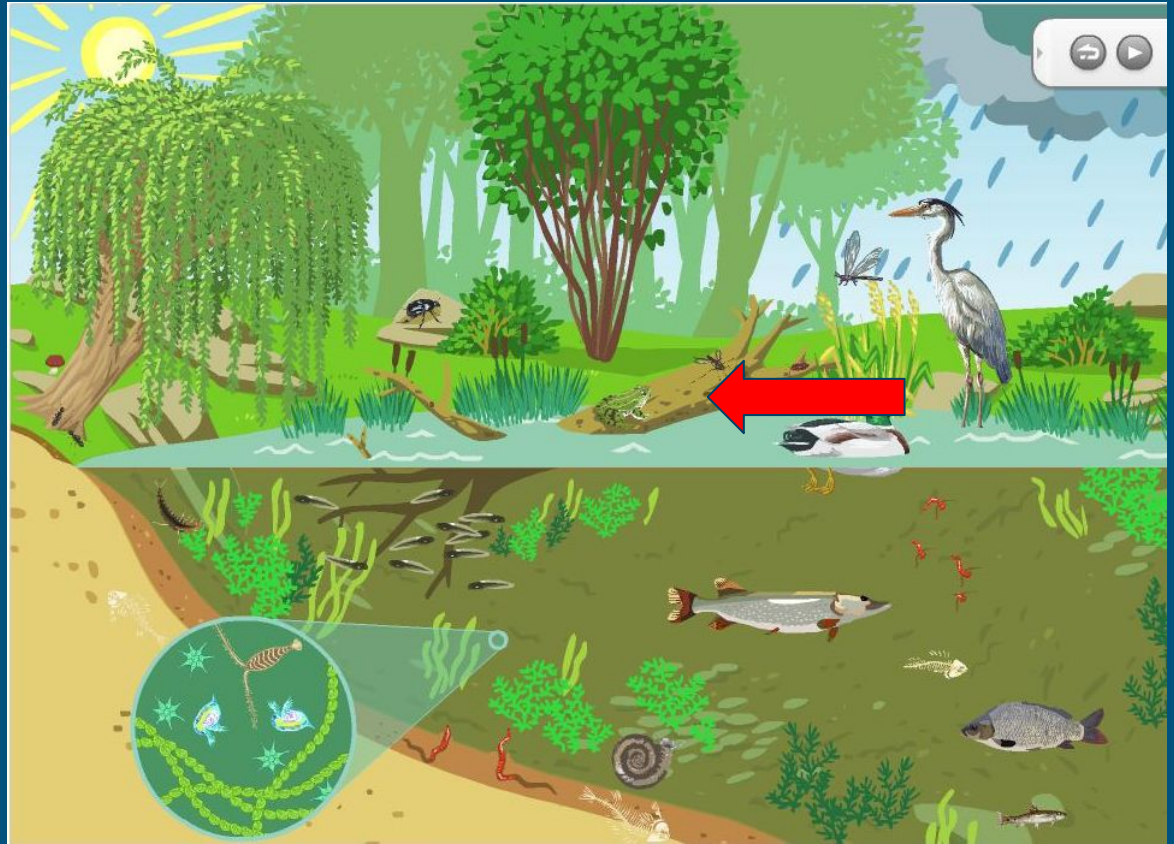
- Sun/Heat
- Rain
- Clouds
- Water
- Rocks
- Sediment/Dirt
- Air/Oxygen



Question

Is this dead tree an abiotic or biotic factor in this ecosystem?

A: Biotic, because it was once a living thing. Things that are abiotic factors were never living.



Final Questions

- Do the abiotic and biotic factors within an ecosystem interact with each other?
- Do biotic or living organisms need abiotic factors in order to survive?

Pick one biotic factor from your activity and name all of the abiotic factors that it needs to survive and why!