

# Do Now

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Look over Unit 2 Part 1 Vocab on Teams



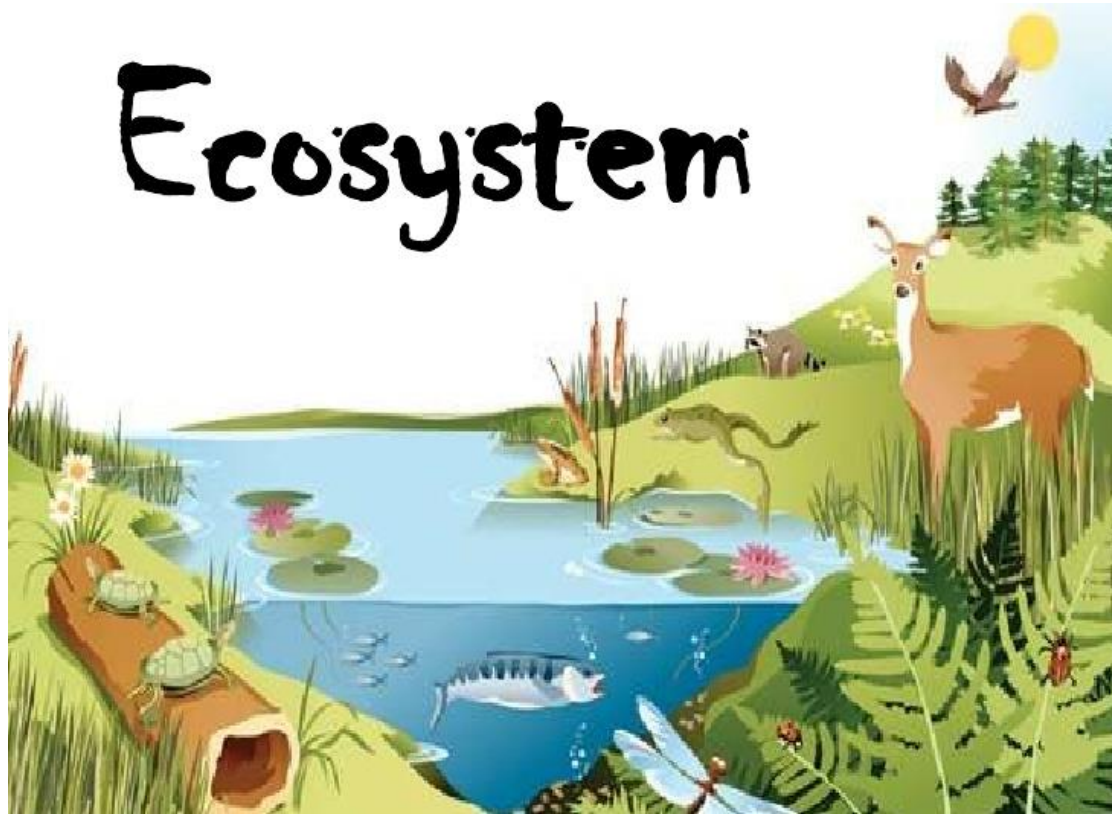
An underwater photograph of a vibrant coral reef. The foreground is dominated by various types of coral, including branching brown corals and large, rounded, textured corals. The water is clear and blue, with sunlight filtering through from above, creating a shimmering effect on the surface. Small fish are visible swimming in the background.

# Ecosystems

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# Ecosystem



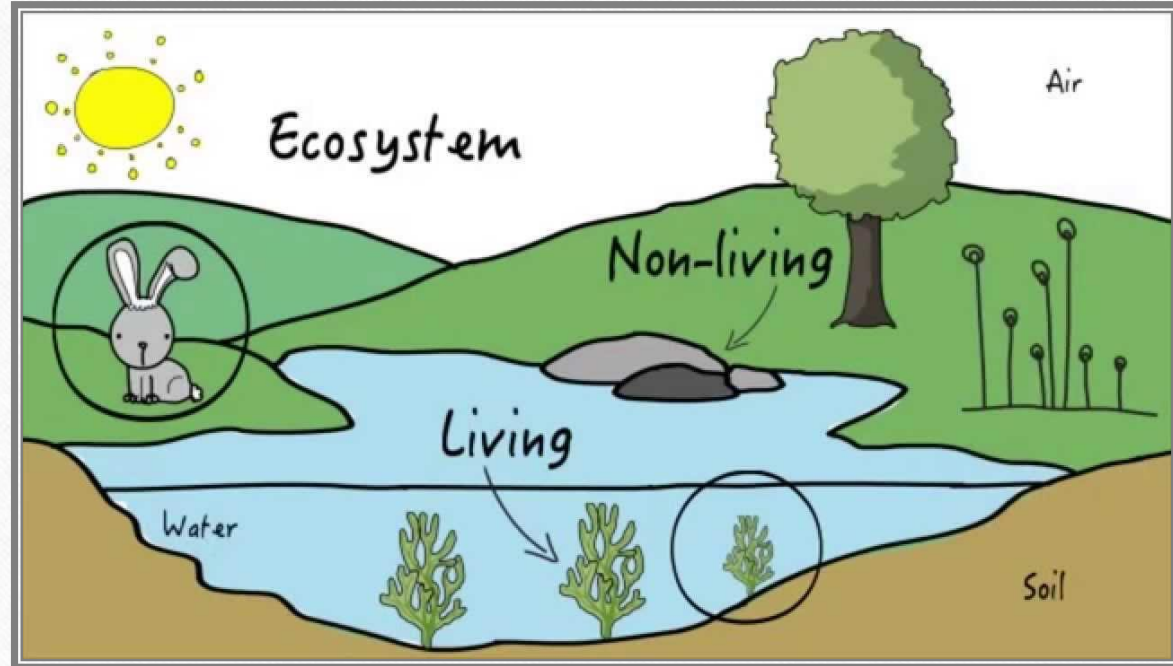
## Ecosystems

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- An ecosystem is all of the organisms living in an area together with their physical environment.
- Examples?

# Components of Ecosystems

- In order to survive, ecosystems require **energy, mineral nutrients, carbon dioxide, water, oxygen, and living organisms.**
- An ecosystem is made up of both Biotic and Abiotic factors
  - **Biotic:** Living things, dead organisms, dead parts of organisms, and an organism's waste products
  - **Abiotic:** Nonliving things





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# Biotic or Abiotic!!!

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The Family Fun Game!!



# Biotic





# Abiotic

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# Biotic

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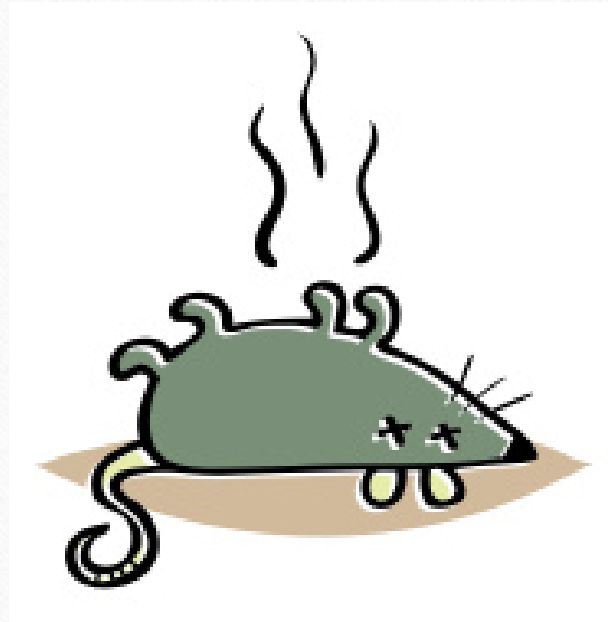
# Abiotic

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# Biotic

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# Biotic

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# Components of Ecosystems

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An **organism** is an individual living thing





# Components of Ecosystems

- A **population** is a group of the same species that live in the same place.
- A **species** is a group of organisms that can mate to produce fertile offspring.









# Components of Ecosystems

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- A **community** is a group of various species that live in the same place and interact with each other.
- The biotic components of an ecosystem.




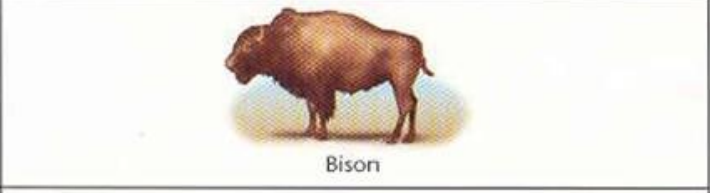






# Levels of Ecological Organization

- Ecology is the study of the relationships between living organisms, including humans, and their physical environment.
- Within the discipline of ecology, researchers work at four broad levels, sometimes specifically and sometimes with overlap: organism, population, community, and ecosystem.

<b>Ecosystem</b>	Community and its nonliving surroundings	 <p>Hawk, snake, bison, prairie dog, grass, stream, rocks, air</p>
<b>Community</b>	Populations that live together in a defined area	 <p>Hawk, snake, bison, prairie dog, grass</p>
<b>Population</b>	Group of organisms of one type that live in the same area	 <p>Bison herd</p>
<b>Organism</b>	Individual living thing	 <p>Bison</p>