

Learning Target: I can describe the role competition, predation, herbivory, keystone species, and symbiotic relationships play in shaping communities and nature.

Niches & Community Interactions Activity



Part 1: Put the terms below with their correct definition.

Tolerance	Habitat	Niche	Competition
Competitive exclusion principle	Herbivory	Predation	Keystone species
Bottom-up trophic cascade	Mutualism	Commensalism	Parasitism

1. When two species contend with each other for the same resource. _____
2. A reasonable amount of conditions under which a species can grow and reproduce. _____
3. A symbiotic relationship where one species benefits and the other is neither helped nor harmed. _____
4. When one organism captures and eats another organism. _____
5. Organisms that help bring order and balance to communities and ecosystems. _____
6. A symbiotic relationship where both species benefit from the relationship. _____
7. No two species can occupy exactly the same niche or job in exactly the same habitat at the same time. _____
8. Where an organism lives. _____
9. Interaction where organisms feed on producers such as plants and trees. _____
10. A symbiotic relationship where one organism lives off of another organism, harming it and possibly causing death. _____
11. All of the physical and biological conditions in which a species lives and the way the species gets what it needs to survive and reproduce. _____
12. When the producer population in a community has been drastically reduced, causing organisms that depend on them to survive die off causing a bottom-up domino effect. _____

Part 2: Use the terms to identify the type of symbiotic relationship. (Commensalism, Mutualism, Parasitism)

13. A mosquito feeding off of the blood of another organism. _____
14. Tree frogs use plants as protection. _____
15. Golden jackals, trail behind a tiger to feed on the left overs of its kill. _____
16. Bacteria in humans stomach feed off of digested food and provide humans with vitamin K, which is required for the formation of blood clotting factors. _____

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17. Sea anemone give clownfish a safe place to live and eat prey, and in return clownfish provide food to the anemone, help rid it of harmful parasites, and chase away fish like butterfly fish that feed on anemones. _____

Part 3: Use the terms to identify the following scenarios. (Tolerance, Niche, Competition, Predation, Herbivory, Keystone species, Bottom-up trophic cascade)

Cheetah & Gazelle



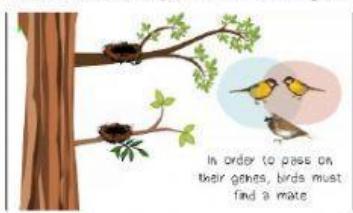
pH and temperature in fish tank



Sea otter keep sea urchin population in check



Birds mate to pass on their genes



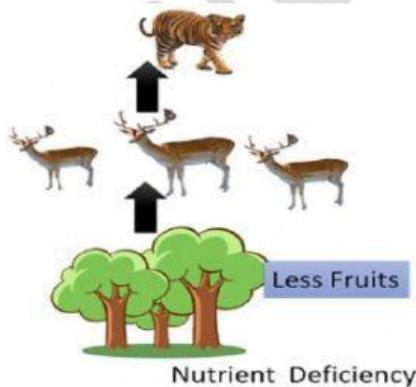
Lions vs. Hyenas



Deer eating grass



Lack of producers in ecosystem



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