



High School Science Virtual Learning

College Biology

April 17, 2020



High School College Biology

Lesson: April 17, 2020

Objective/Learning Target:

Students will be able to discuss the key characteristics of ecology and the evolution of adaptations.



Let's Get Started:

1. What does the ecosystem level of classification have in common with the community level of classification?
2. What does the ecosystem level include that the community level does not?



Answers:

1. All the biotic factors of the area.
2. The abiotic factors of the area.



Lesson Activity:

1. Read over pages 1-13 of the Chapter 18 Notes. ([Linked Here](#))
2. Watch this Crash Course video on [Ecology](#). (Start - 4:46)



Practice:

Complete the Click and Learn Interactive to Trophic Cascades on the [HHMI](#) website

Once you have completed the Click and Learn you should be able to answer the following questions.

1. How can the reduction of one species in an ecosystem affect other organisms?

Practice

2. What happened to the diet of bald eagles when the otters disappeared?
3. Why did the otters nearly disappear from the ecosystems to begin with?

Practice Answers:

1. The reduction of one species can have a cascade effect on the other members of the ecosystem. The organisms that would be prey, or that are competitors can all be impacted by the increase or decrease of a particular species.
2. The diet included far fewer mammals and switched to one mainly comprised of birds and fish.
3. Otters were hunted to near extinction for their pelts.



Review Tools:

- [Kahoot 1](#)

- Review Sheet on Google Classroom

- Mr. Anderson videos about [ecology](#), [biomes](#), and [human impacts](#)