



Science Virtual Learning

8th Grade Science

Human Impacts on Ecosystems

Monday, April 13, 2020



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Lesson: Monday, April 13, 2020

Objective/Learning Target:

I can explain human impacts on an ecosystem.

Let's Get Started:

Quick Write: How do humans have a negative impact on the environment?

How can humans have a positive impact on the environment?



Practice

On a sheet of paper write down the important vocabulary below.

Biodiversity- The variety of life in the world or in a particular habitat or ecosystem.

Carrying Capacity- The number of people, other living organisms, or crops that a region can support without environmental degradation.



Practice Continued

Watch the following [video](#). You can choose to watch the entire video or jump to the 5:40 mark on the video and watch to the end to learn about human impact on biodiversity in an ecosystem.

After watching the video answer the following questions on a sheet of notebook paper.

1. What are the four local causes of biodiversity loss?
2. How do land use changes affect biodiversity?
3. What are some ways humans exploit resources?



More Practice

Review how human impacts cause loss in biodiversity [here](#)

After reviewing human impacts and the effects on ecosystems answer the four questions [here](#). The correct answers are given as you answer. Please continue until you have the correct answer and read why the others are incorrect if you choose the wrong answer.



Additional Practice

Use the [quizizz link](#) to review on how humans impact their environment.

To Learn more about human effects and climate change check out the videos below:

[What if all the ice melted on Earth?](#)

[How can we keep plastics out of the ocean?](#)



Practice Continued Answers

Answers for practice questions 1-3 from video.

1. Land-use changes, pollution, resource exploitation, and exotic species
2. Deforestation and conversion to human use for homes and agriculture lead to less natural environments for other species to live.
3. Humans exploit resources by hunting, cutting down forests for firewood and lumber, and fishing. If these resources aren't replenished they will be gone causing a loss in biodiversity.