



Middle School Science Virtual Learning

Life Science

**Positive Human Impact
on Ecosystems**

April 14th, 2020



Life Science
Lesson: April 14, 2020

Objective/Learning Target:

I can explain how humans have impacted ecosystems in a positive way.



BELLWORK

What are some of the ways in which you can help protect the environment where you live?

View this article and short video on how humans can help save our oceans - wherever you live.

[10 Ways to Save Our Oceans](#)



Environmental Terms

Possible Bell Work responses may include: **planting a tree, volunteer to pick up trash in neighborhoods, along streams and rivers, and along our roadways; you've heard of reduce-reuse-recycle, limit your use of plastics whenever possible - use reusable shopping bags; walk or bike more - take public transportation; use energy efficient light bulbs**

As young adults, here are a few terms you may have heard mentioned and what they mean in your quest to help the environment and its ecosystems.

- 1) **Biodiversity** - The number of different species in an area.
- 2) **Biodegradable** - Capable of being broken down by bacteria and other decomposers.
- 3) **Composting** - The process of helping biodegradable wastes decompose naturally.
- 4) **Recycling/Recycle** - The process of reclaiming and reusing the raw materials that made an original product.
- 5) **Landfill** - Carefully designed structure built into or on top of the ground in which trash is isolated from the surrounding environment (groundwater, air, rain). This isolation is accomplished with a bottom liner and daily covering of soil.



Environmental Terms continued

- 6) **Smog** - A thick, brownish haze formed when certain gases react with sunlight.
- 7) **Chlorofluorocarbons** - Human-made gases containing chlorine and fluorine that destroy the ozone layer.
- 8) **Ozone Layer** - The layer of the atmosphere that contains a higher concentration of ozone than the rest of the atmosphere - protects the earth from very harmful ultra-violet (UV) Rays. Ozone itself is a toxic form of oxygen (O_3)
- 9) **Greenhouse Effect** - The trapping of heat near Earth's surface by certain gases in the Atmosphere.
- 10) **Natural Resource** - Anything in the environment that is used by people.
- 11) **Hazardous Waste** - A material that can be harmful if it is not properly disposed of.
- 12) **Emissions** - Pollutants (gases) that are released into the air

PRACTICE

THINK before you use and
THINK about what you will
do with it after you use it!

DO A QUICK WRITE ON HOW
THE SAYING ABOVE APPLIES
TO YOU.





CHECK FOR UNDERSTANDING

CLICK ON THE LINK BELOW TO CHECK WHAT YOU REMEMBERED ABOUT THE IMPACT HUMANS HAVE ON THE ECOSYSTEM:

[QUIZZ ON HUMAN IMPACT ON ECOSYSTEMS](#)



Additional Reading Resources

Click on the links below to read how people are positively impacting the world's ecosystem. You can copy the questions and check your answers.

[Champion for Trees](#)

[Questions for Champion for Trees](#)

[Answer Key for Champion for Trees](#)



Additional Video Resources

[This is how we save the oceans](#)