



High School Science Virtual Learning

Earth Science
Natural Resources

May 14, 2020



High School Environmental Science

Lesson: May 14, 2020

Objective/Learning Target:

Students will be able to distinguish between renewable and nonrenewable resources.

1. The ocean water is one of the important natural resources we have. What are the three main forms of ocean water movement?
2. Waves may someday be an important energy source. What is the primary cause of waves?



1. Waves, tides and ocean currents
2. Wind



Lesson Activity:

Directions:

1. Read the article and watch the video listed below. While doing so, take careful notes about natural resources.
2. After doing that, write a memo to the manufacturing company you work for located in the United States.
 - a. Your memo should detail why the corporation should begin switching to renewable resources and outline 3 benefits to using renewable energy and 2 negative impacts of nonrenewable energy.

Link(s):

[Video](#)

[Article](#)



Practice

You will use the information from the activity on slide 5 to answer the following questions.



Practice Questions

1. What is the definition of renewable resources?
2. What are examples of renewable resources?
3. What is the definition of nonrenewable resources?
4. What are examples of nonrenewable resources?
5. What is resource recovery?



Answer Key

Once you have completed the practice questions check with the work.

1. Renewable resources are resources that are used at a slower rate than they are replaced.
2. Examples of renewable resources include water, wind, and the sun.
3. Nonrenewable resources are resources that humanity uses faster than nature can replenish them.
4. Examples of nonrenewable resources include crude oil, coal, and natural gas as well as minerals.
5. Resource recovery is a practice that conserves natural resources by extracting material (e.g., paper, glass, aluminum and steel) from the waste stream and recycling it into other materials or using it to produce energy.



More Practice

You will use the information from the activity on slide 5 to answer the following questions.



More Practice Questions

1. What are resources?
2. What is the difference in the two types of resources?
3. How are resources developed on our planet?
4. What resources are driving the economy right now?
5. Why were renewable resources not very popular but we are now seeing an increase in usage?



Answer Key

Once you have completed the practice questions check with the work.

1. The things that we require to live.
2. Renewable energy is energy that comes back in our lifetime while nonrenewable energy does not return in our lifetime.
3. Resources are mixed up around the world (nonuniformly distributed). You will not find all the resources in one area.
4. Nonrenewable energy (fossil fuels) resources are driving the economy because they are cheap.
5. The original ways of using renewable energy were very ineffective. With technology improvements these apparatuses are becoming much more efficient.



Additional Resources

Want more information on different natural resources that you could use? This article explains and outlines several: [Natural Resources](#)

This resource focuses on renewable energy and what it is: [Renewable Energy](#)

Here is more information about non renewable energy and what it is: [Nonrenewable Energy](#)