



# POWER PLANTS & SOURCES OF ENERGY



VIRTUAL *Field trip*

## Let's Explore!: What Is Energy?

Energy is a special kind of power that helps things move, change, and work. It's like the fuel that makes everything happen! There are different types of energy, such as heat energy that makes things warm, light energy that lets us see, and sound energy that helps us hear.



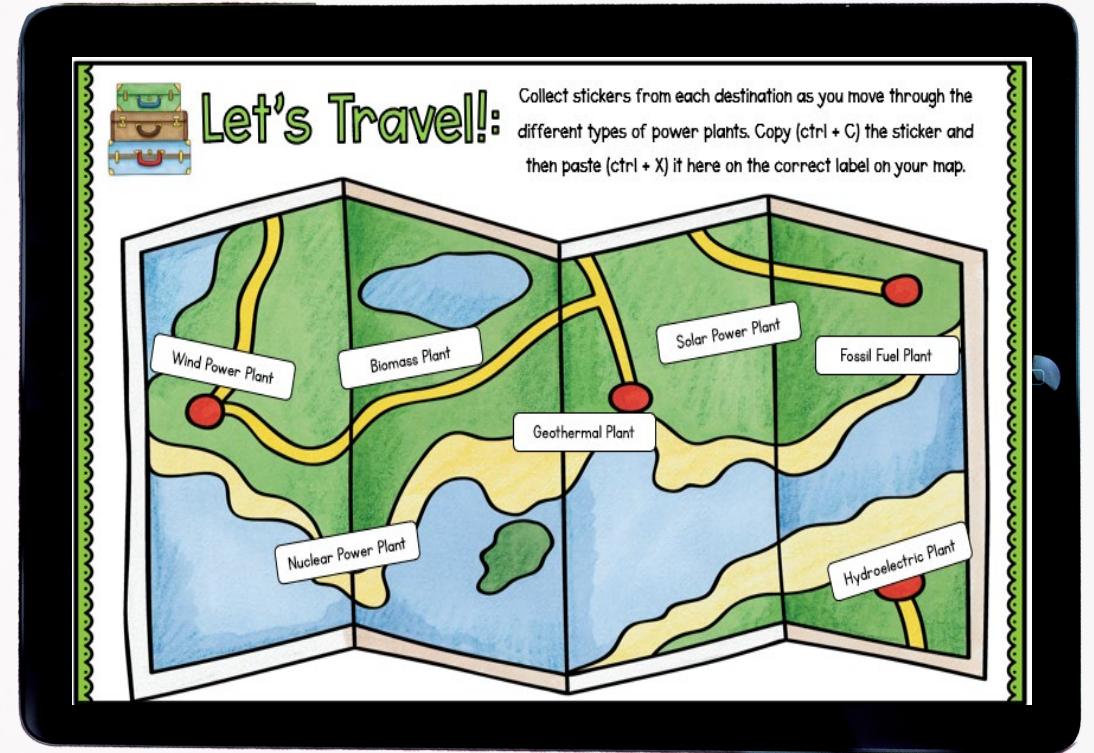
Energy is all around us, and it can transform from one form to another. The law of conservation of energy is like a magical rule that says energy cannot appear out of thin air or disappear into nothingness. It means that energy is always around us, and while it can change from one form to another, it can never vanish or pop up unexpectedly - it's here to stay! Energy is an amazing force that keeps our world buzzing with action and excitement.

# DISCOVER THE SECRETS OF ENERGY

Learn about different types of energy and explore how each one plays a special role in making things work!

# JOURNEY INTO THE WORLD OF POWER

Collect stickers to show  
your progress on your  
quest through different  
power plants!





# INVESTIGATE THE PROCESS

**Nuclear Power Plant** Directions: Watch the video to understand more about how a nuclear power plant operates.

What is the reaction used in power plants?

Explain the process of fission.



**Plant Map**  


What does the generator do in a nuclear power plant?

Why does smoke come out of the refrigeration towers?


Click on the photo sticker and copy it. Then paste the image onto your plant map.

Discover the diverse  
methods of harnessing  
energy to create  
extraordinary power!

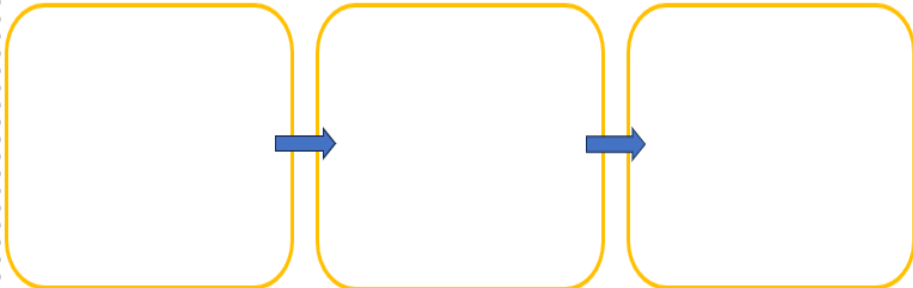
# EXPLORE ENERGY SOURCES


Dive into the exciting world of energy sources and become an energy expert!



 **Solar Power Plant**

**Directions:** Watch the video.  
In the boxes below, draw three pictures to show how solar energy is harnessed, transformed, and made into electricity.



 **Plant Map**

Click on the photo sticker and copy it. Then paste the image onto your plant map.

# EXAMINE ENVIRONMENTAL EFFECTS

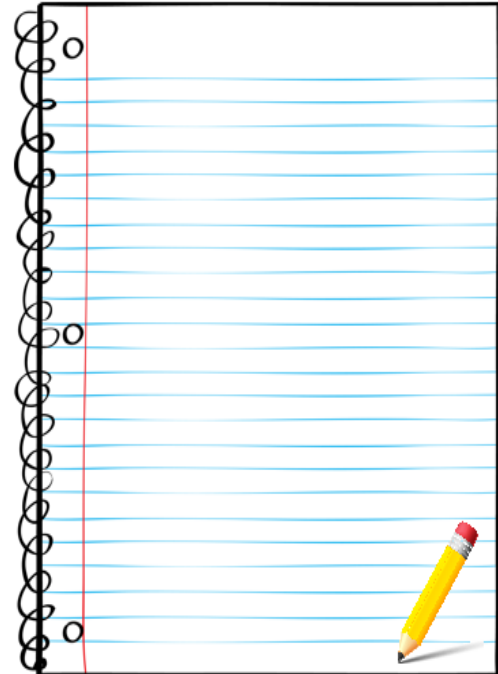
Reflect on the consequences of energy use with both renewable and nonrenewable resources!

## Reflection

Read about the renewable and nonrenewable energy sources by clicking on the picture below. Think about how energy can be derived from natural resources (both renewable and nonrenewable).



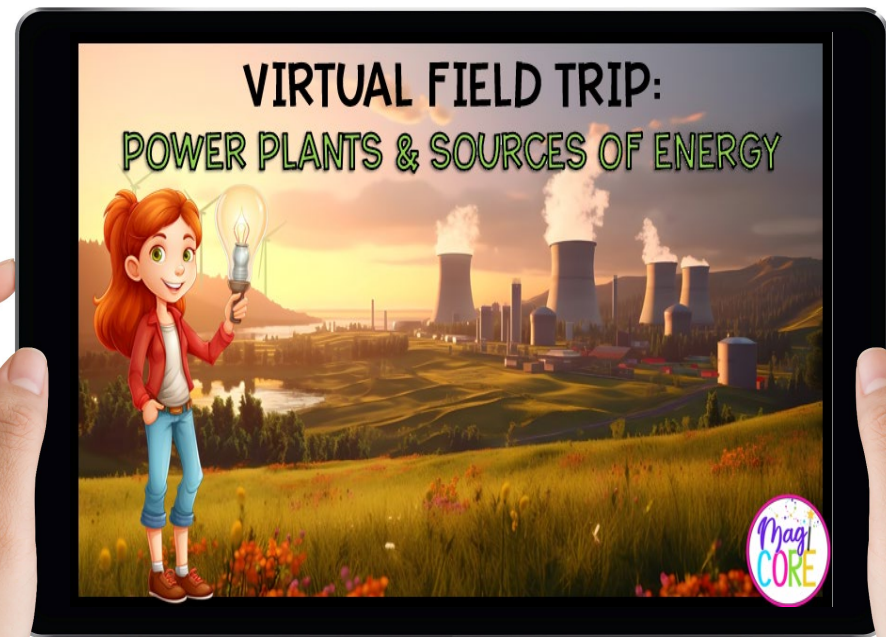
Write a letter to your teacher explaining how using natural resources can affect the environment.



## Suggested Uses

- Assign in Google Classroom or SeeSaw
- Whole Class Activity
- Small groups or center
- Early Finisher
- Incentive or Fun Friday

## Google Slides and SeeSaw



# Looking for More?

## Save with our Science Bundle!

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Natural Hazards,  
The Water Cycle,  
...and more!



Click the picture  
to preview!