

Zero Emissions Day



WHAT ARE WAYS TO ACHIEVE ZERO EMISSIONS AND HOW DOES THIS HELP EARTH?

Essential Questions



- How does achieving zero emissions help the Earth?
- What are some things kids can do to help achieve zero emissions?

Objectives



- I will participate in a discussion about Zero Emissions Day.
- I will learn and share facts about Zero Emissions Day.
- I will identify actions to take to support Zero Emissions Day.

Vocabulary



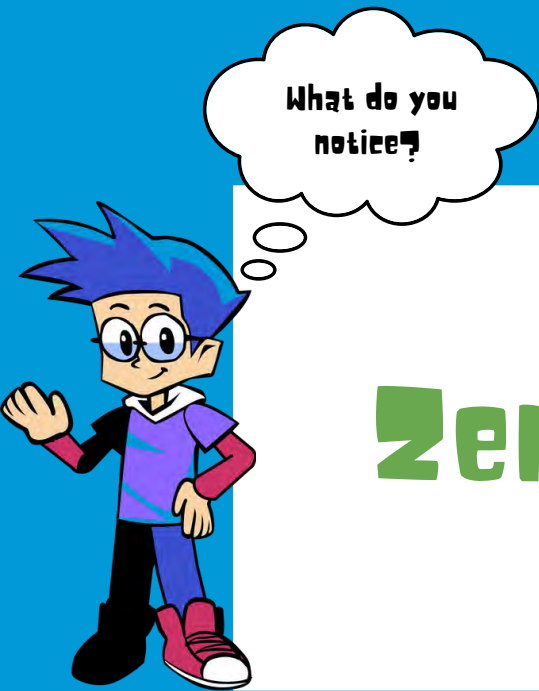
Emissions: Things that are released into the air or environment.



Carbon Footprint: The amount of greenhouse gases, especially carbon dioxide, released into the air by a person's activities or making and moving products.



Fossil Fuels: non-renewable energy sources like coal, gas, and oil that we can't replace once they're used up.



What is Zero Emissions Day?



Zero Emissions Day is when people around the world use less electricity and cars to help keep our air clean and our planet healthy.

Let's learn facts about Zero Emissions Day!



Let's learn facts about Zero Emissions Day!



Purpose: Celebrated on September 21, Zero Emissions Day aims to give the Earth a day free from fossil fuel emissions.

Background: The concept was initiated by Ken Wallace in Nova Scotia, Canada, in the 1980s and officially launched as "ZeDay" in 2008 to promote responsible energy used globally.

Think Pair Share

How can the earth benefit from a zero-emissions day?



With your partner:

- Think about the topic.
- Pick a question.
- Share your thoughts.



What I **k**now?

What I **w**onder?

What I **l**earned?



Emissions can harm the Earth by polluting the air, making it harder to breathe, and causing the planet to get warmer, leading to problems like melting ice and extreme weather.



Environmental Impact

By avoiding the use of fossil fuels for a day, we significantly...



Contribute less to atmospheric pollution



Reduce our carbon footprint

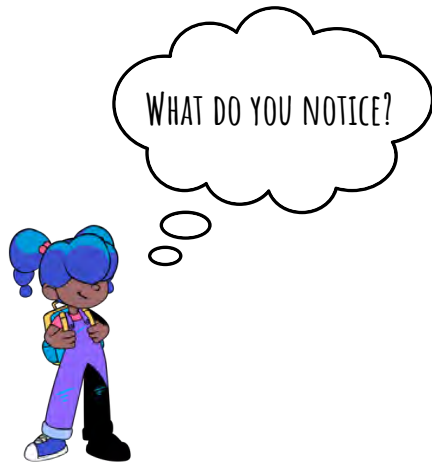
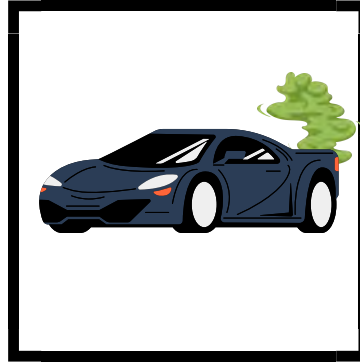


Improve air quality which improves health for everyone.

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Actions to take on Zero Emissions Day

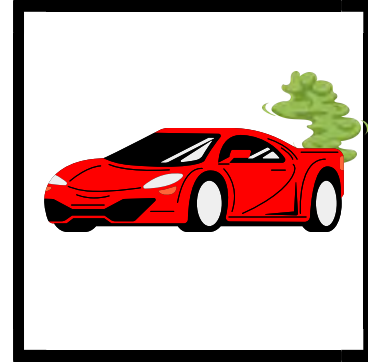
Look at the image. What is the best choice?



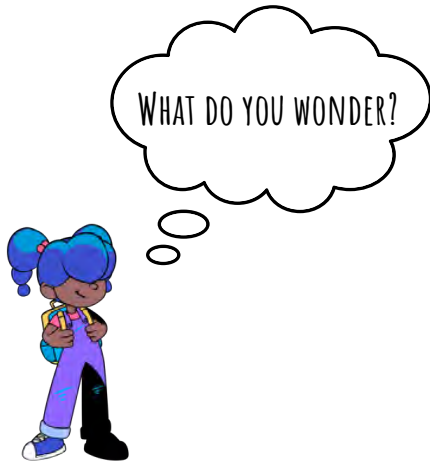
When heading to school, would you use a car or public transportation?

Actions to take on Zero Emissions Day

Look at the image. What is the best choice?

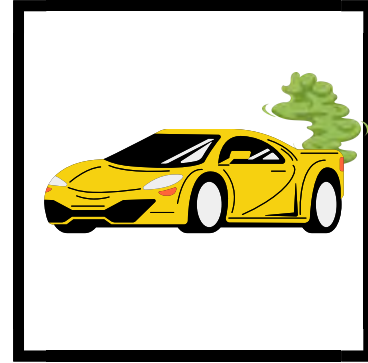


When going to the park, would you walk or use a car?



Actions to take on Zero Emissions Day

Look at the image. What is the best choice?



WHAT DO YOU NOTICE?



Should you bike or use a car when spending the afternoon outside with the family?

Actions to take on Zero Emissions Day

Look at the image. What is the best choice?



When spending the evening inside with family, should you play board games or play video games?



WHAT DO YOU NOTICE?

Ways to support zero emissions Day



On a post-it, draw and write
a way you can reduce
electricity use in your life.



Ways to support zero emissions Day



How can these changes support Zero Emissions Day and how can these actions benefit the earth?



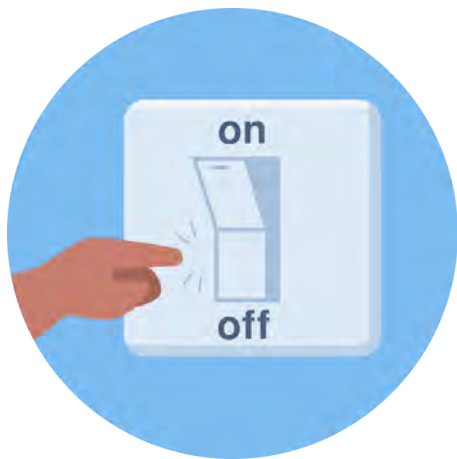
Safe and Smart Electricity Use

Use electricity wisely and reduce usage, especially from non-renewable sources, to stay safe and protect the environment.

Unplug to Save Energy

You can help by unplugging TVs, computers, and other devices you don't need.

How can kids help?



Be mindful of your energy use, like turning off lights when not in use.



Turn off devices when not in use.



Plan a day using less fossil fuels and electricity.

What is Zero Emissions Day?

Zero Emissions Day is when people around the world use less electricity and cars to help keep our air clean and our planet healthy.

How can you help with Zero Emissions Day?

Learn and Share:

Discover what Zero Emissions Day is all about. Share interesting facts and ideas with your friends and family to help everyone understand why it's important.

Unplug and Play:

Take a break from electronic devices. Spend time reading a book, playing outside, or enjoying a board game with your family. These activities save energy and help protect our planet.

Happy Zero
Emissions
Day!



Based on what you've learned about Zero Emissions Day, can you think of ways to celebrate and teach others?

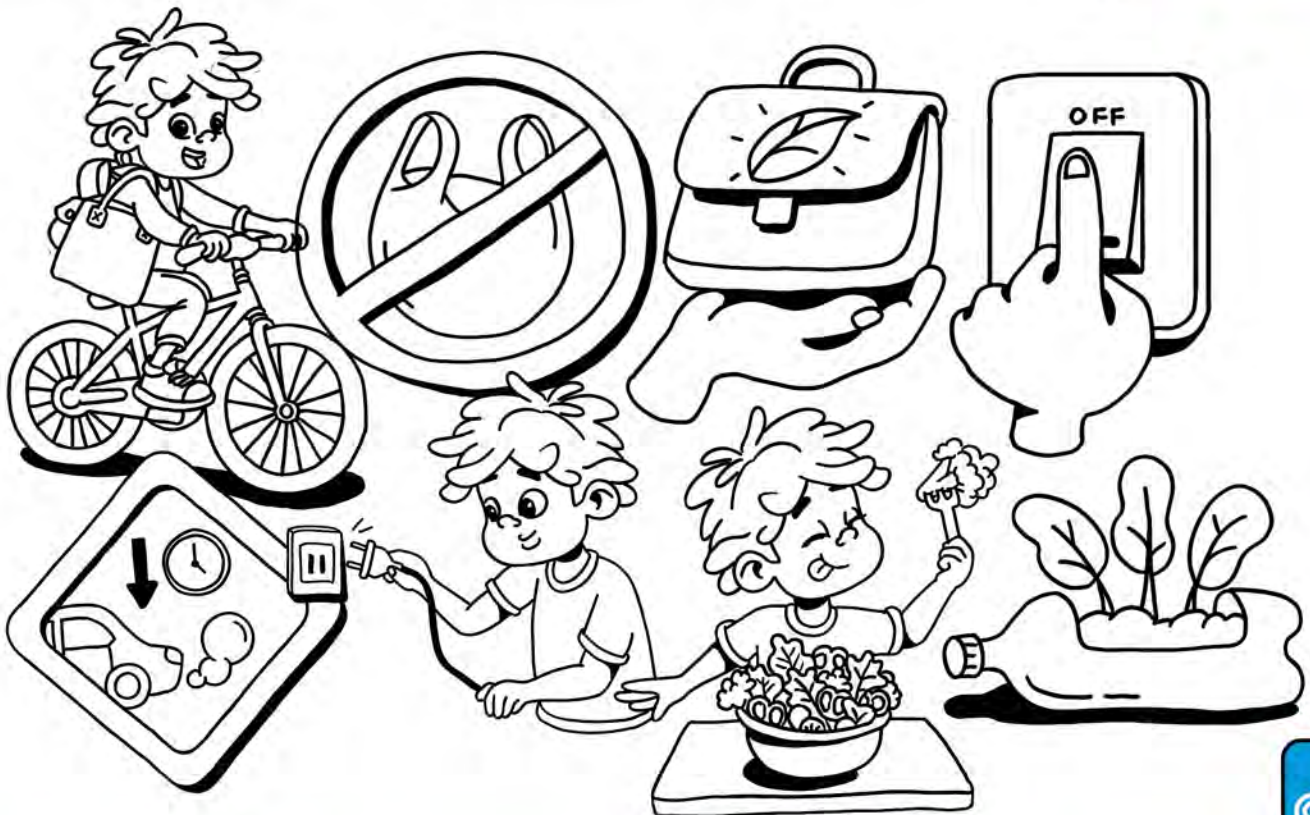
ZERO EMISSIONS DAY

Name: _____

Date: _____

THE ZERO EMISSIONS DAY 'I CAN' CHECKLIST

- ☐ I CAN WALK OR RIDE A BICYCLE TO SCHOOL
- ☐ I CAN REDUCE MY PLASTIC USE
- ☐ I CAN PROPERLY RECYCLE ANY PLASTIC, PAPER, GLASS, AND METAL
- ☐ I CAN SAFELY UNPLUG ELECTRONICS THAT ARE NOT IN USE
- ☐ I CAN REMIND MY PARENTS TO REDUCE IDLING TIME IN THEIR CAR SO WE AREN'T USING EXCESS FUEL
- ☐ I CAN SUPPORT BUSINESSES THAT PRODUCE SUSTAINABLY
- ☐ I CAN PLAN A "NO COOK" MEAL
- ☐ I CAN USE ELECTRICITY RESPONSIBLY BY TURNING OFF LIGHTS WHEN I AM NOT IN THE ROOM



Name: _____ Date: _____

Zero Emission Day

1. **Fossil fuels are _____.**
 - a. coal
 - b. natural gases
 - c. non renewable wastes.
 - d. all of the above
2. **Emissions are something that has been released or emitted into the world.**
☐ True
☐ False
3. **Zero Emissions Day aims to _____.**
 - a. Increase air pollution.
 - b. Free the earth from fossil fuel emissions.
 - c. Promote responsible energy consumption globally.
 - d. Both b and c.
4. **_____ Emissions Day is celebrated on _____.**
5. **Zero Emissions Day was initiated by _____ in the _____ and officially launched as “ZeDAY” in 2008.**
 - a. Keith Scotia, 1880’s
 - b. Kevin Wallace, 1980’s
 - c. Ken Wallace, 1980’s
 - d. none of the above
6. **Avoiding the use of fossil fuels for a day, we significantly reduce our carbon footprint and contribute less to atmospheric pollution.**
☐ True
☐ False

Name: _____ Date: _____

7. To support Zero Emissions Day, families can _____.

- a. play sports instead of gaming.
- b. ride a regular bike instead of an e-bike.
- c. walk instead of driving.
- d. all of the above.

8. Zero Emissions Day is important because _____.

- a. it increases carbon footprints.
- b. it decreases fossil fuel emissions.
- c. it increases atmospheric pollution.
- d. it decreases the amount of people outside.

9. Using excessive electricity, especially from non-renewable sources is a way to support Zero Emissions Day.

- ☐ True
- ☐ False

10. On Zero Emissions Day, be mindful of _____, like

_____ when not needed and _____
when not in use.

Name: _____ Date: _____

Zero Emissions Day

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Zero **September 21st**

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- ☐ True
- ☒ False

10. On Zero Emissions Day, be mindful of _____, like
energy use

_____ when not needed and _____
turning off lights unplugging devices

when not in use.