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*Leave no one behind*

# *The Energy Expert*

Let's  
SAVE THE  
WORLD  
TOGETHER



# The Energy Expert

Hi!  
I am Tara

Tara decided to learn more about Climate Superheroes and discovered one of their key figures - The Energy Expert. This superhero's message was, "Never waste electricity, and always turn off the lights when they're not needed." Tara concluded that we desperately needed energy experts to guide us in conserving electricity. She further researched the impact of electricity on greenhouse gas emissions and discovered that electricity, heat,



SAVE



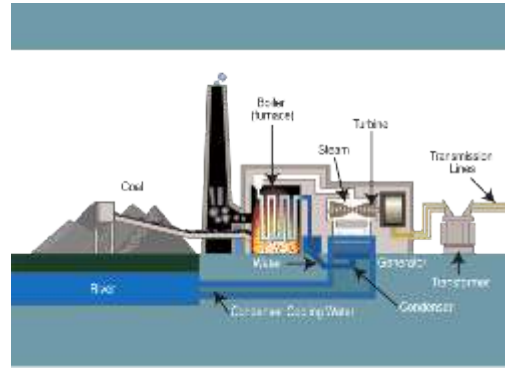
and other forms of energy were the largest contributors, accounting for 35 percent of total emissions. This alarming statistic motivated her to learn more.

Tara was surprised to find that even in the 21st century, approximately 790 million people worldwide still lacked access to electricity. She realized how fortunate she was to have electricity, which played an integral part in her life and the lives of millions of others. Electricity is essential for lighting our homes and offices, running appliances like refrigerators, televisions, computers, air conditioners, and countless other devices. Tara began researching ways to save electricity and



became aware that unplugging appliances when not in use and turning off lights when unnecessary were effective methods. She also learned that using energy-efficient lightbulbs could help save electricity.

Tara started connecting the dots: fossil fuels like coal, oil, and gas are needed to produce energy, which leads to the production of greenhouse gases. Greenhouse gases contribute to global warming. Tara decided to persuade those around her to conserve electricity and reduce their



reliance on fossil fuels by

walking, cycling, traveling less, and using public transportation. The best way to save energy would be to use solar or wind-generated power. She resolved to hold a neighborhood meeting every Saturday evening and give a speech on energy-saving measures. Tara began to note down some points:

Easy ideas for saving energy at home:

- Watch less TV – read a book instead!
- Turn off video games and TVs when you're done using them.
- Don't leave your computer in standby – turn it off at the end of each day.
- Remind parents to unplug their phone when it's fully charged.
- Avoid opening the refrigerator door excessively.
- Close all doors and windows when using air conditioning.
- Shower instead of taking baths! Showers use less hot water and are more cost effective.



**SAVEING**  
**ENERGY IS EASY.**  
**AT HOME.**

## New Words

1. **Fortunate**- having good luck    2. **Appliances**- devices    3. **Access**- reach

Find other new and interesting words for each other, and write their meanings in your notebooks.

## Comprehension

1. Why do we need Energy Experts?
2. How does electricity contribute to emissions?
3. What was alarming to Tara?
4. How many people lack access to electricity?
5. What did Tara already know about conserving electricity?
6. Give examples of fossil fuels.

Take turns to make more questions like these above for each other and answer them.

## Prompts Pair up

### 1. Energy Conservation Challenge

**Materials:** A set of cards with energy-saving measures from Tara's list

**Instructions:**

- a. Take turns drawing a card from the set and reading the energy-saving tip out loud.
- b. Work together to come up with an additional energy-saving idea related to the tip on the card.
- c. Keep track of your combined ideas and see which pair of students can come up with the most creative energy-saving solutions. Have fun!

### 2. Climate Superhero Team-Up

**Materials:** Paper, Colouring materials (crayons, coloured pencils, markers)

**Instructions:**

- a. Together, create a Climate Superhero with a unique name and power related to energy conservation.
- b. Draw your superhero and write a short description of their power and how they help the environment.
- c. Share your superhero with the class and discuss ways you can become Climate Superheroes in your daily lives.

Watch the video on saving energy using the QR code.



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