

Materials Designed by
BRAC
Institute
of Languages (BIL)

Saving Energy and Resources

Class: IX-X

Dear learners, today we are going to learn about saving energy and resources.

Activity A.

Knowing About Energy



Energy is a source of power needed to do something. For example, if you kick a ball, it will move. This means that you have applied your energy to move the ball. Similarly, energy exists in other things living and non-living like human beings, animals or machines, cars etc.

Energy is mainly divided into two groups: renewable and non-renewable. Renewable energy is created from natural resources. For instance, energy from sun, wind, rain and tides can be generated over and over again because we get these resources in plenty from nature. On the other hand, non-renewable energy is generated from the limited non-living resources of the earth, for example fossil fuels, natural gas, oil and coal. Researchers say that the source of this kind of energy is limited. These resources will vanish from the earth after a certain period as they will be used up by us. So they advise us to save energy because if we use up all the limited resources, people from the next generation will face energy crisis. Therefore, it is very essential for us to realize the importance of saving energy and learn ways to conserve it.

Source: www.conserve-energy-future.com

Prepare the questions for the following answers. The first one is done for you.

Q 1: What is energy?

Ans: Energy is the ability to do something, for example, moving something from one place to another.

Q 2: Wh _____ ?

Ans: Renewable energy can be generated from natural resources like sun, wind, rain and tides.

Q 3: Wh _____ ?

Ans: Fossil fuels, natural gas, oil and coal are limited resources of nature.

Q 4: Wh _____ ?

Ans: If we use up the limited resources, they will vanish one day. As a result, our earth will be in great danger and the next generation will also face energy crisis.

How to do: Think of the right question word that starts with 'wh', then use the answers as clues to make the questions.

Activity B.

Saving Natural Gas

Fill in the blanks using the persuasive words/phrases to convince your mother to save gas. The first one is done for you.



Persuasive words/phrases

What would happen
Surely
Just think about
I believe that
Another thing
This will mean that

"Mother, why have you kept the gas stove on unnecessarily?

1. Just think about the amount of gas you are wasting right now to dry the clothes. I have heard from our teacher that natural gas is a non-renewable energy. 2. _____ if the sources of natural gas get finished? 3. _____, we need to save natural gas. One thing you can do is to switch off the stove after cooking. 4. _____ it will save gas consumption to a great extent. 5. _____ you can do is to wait for the sunlight to dry the clothes. 6. _____ you are trying to contribute to save this non-renewable energy."

How to do: Do it in pairs and present it to the class.

Learning Objectives:

Forming questions, using persuasive words/phrases, using modals, giving instructions.

Answer Key (see in a mirror):

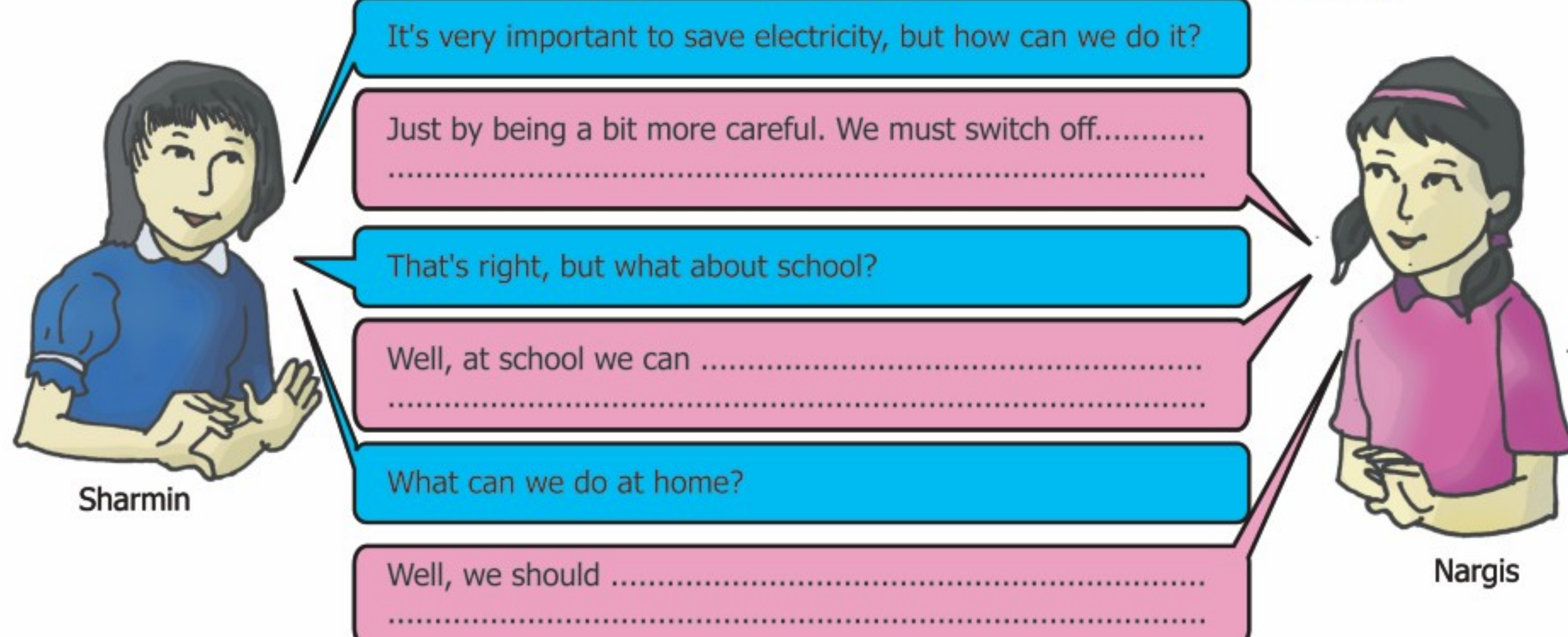
1. I just think about the amount of gas you are wasting right now to dry the clothes.
2. What would happen if the sources of natural gas get finished?
3. Surely, we need to save natural gas.
4. I believe that it will save gas consumption to a great extent.
5. Another thing you can do is to wait for the sunlight to dry the clothes.
6. This will mean that you are trying to contribute to save this non-renewable energy."

All the instructions given here are for students to use materials as self-access. Teachers can use them as a guide.

Activity C.

Saving Electricity

Complete the following dialogue.



How to do: Write out the dialogue in pairs and do a role play.

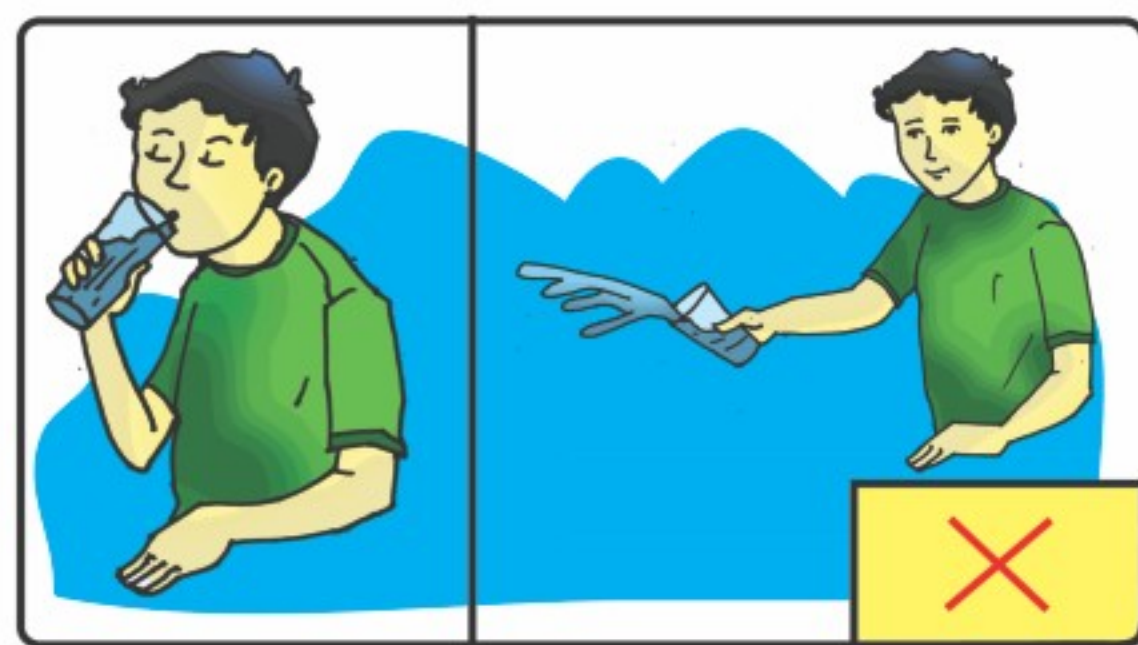
Activity D.

Saving Water

Look at the pictures and write instructions on how to save water.



Instruction(s):.....



Instruction(s):.....



Instruction(s):.....

How to do: Same as B.

Activity E.

Making Everyone Aware

Make an awareness poster on saving energy and resources in a group.

Saving Energy and Resources

How to do: Make the poster in groups of four and distribute it in your community.

WALK ON THE ZEBRA CROSSING

Zebra crossing is for the pedestrians to cross the busy roads safely. Its distinguishing feature is alternating dark and light stripes on the road surface. It is important for all of us to abide by traffic rules.

Use Zebra crossing, be safe.



আপনার সচেতনতাই আপনার শক্তি, জ্বলে উঠুন আপন শক্তিতে