

- Where do people throw the waste in your area?
- Is there a dustbin near your house?
- How do you keep your classroom clean?

**Here is a lesson telling us about how the village named Vatika protected its environment. Read the story carefully.**

Once two farmers, Ram and Ghanshyam, decided to leave their village to find better work elsewhere. Early one morning both of them left for the town nearby. Ram and Ghanshyam had been walking for nearly six hours when they reached the village of Vatika.



The village was green and clean. They were surprised to see cube-shaped structures on the roofs of all the houses there.

Ram and Ghanshyam decided to enter a house and find out what these structures were. As they went closer, they were surprised to find that the walls of the houses were not made of mud but of something else. As they walked further, they saw a big field. In the field they were very surprised to see huge fans.

and asked him, “What are these strange things?”

The old man happened to be Hari, the Sarpanch of the village. He told them, “The fans you see are actually windmills, used to trap the wind energy. With the help of windmills, electricity is produced which is used for our street lights. Come, I will show you around.”

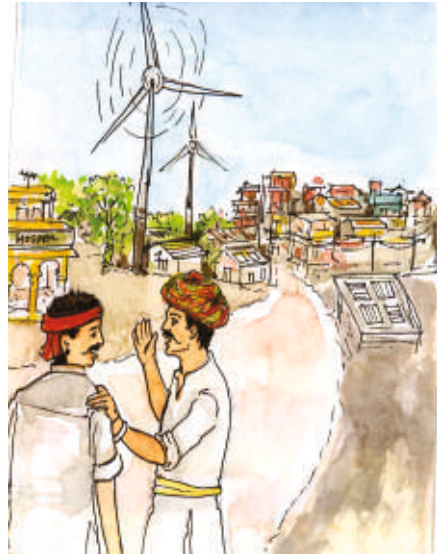
The Sarpanch explained to them that the houses were constructed with ash bricks. These were different from the usual material used for making regular bricks. Ash bricks, he said, were made with the ash left over after waste was burnt. The strange cube-shaped structures on them were used to generate electricity from sunlight, which was then used to light up houses.

The Sarpanch then invited Ram and Ghanshyam for dinner to his house. They were amazed to see that the food in his house was being cooked not on wood or a coal fire, but on a gas stove. Hari explained that gas used for cooking was biogas. It was made from the cowdung at the biogas plant in the village. Ram and Ghanshyam were also surprised to see that his house had lights that came on the touch of a switch.

Ram and Ghanshyam asked the Sarpanch to tell them how his village was so modern.

Hari told them a true story. Many years ago, there was a village next to their village, called Harpur. Like all villagers, the people of Harpur too cooked on wood and coal fires and cut down trees. Finally there came a day when not a single tree was left in the village of Harpur, and the air was thick with smoke. Gradually, all the fertile soil of the village got washed away as there weren't any trees to hold the soil. The inhabitants of Harpur had to sadly leave their village and settle elsewhere.

“That's when we decided that our village shouldn't suffer a similar fate,” he concluded. And so we started learning new methods of caring for the



environment. The result of our hard work is before you!”

Ram and Ghanshyam were happy to spend the night in the smart village of Vatika.

## Glossary

cube	:	a solid shape that has six equal square sides
windmill	:	a tall structure with long blades that turn around in the wind
trap	:	to catch or store something
fertile	:	soil in which plants grow well
inhabitant	:	a person that lives in a place
structures	:	the parts of something that are put together
construct	:	to build or make something
amazed	:	very surprised

## Activity I

### A. Tick the correct alternative-

**I Ram and Ghanshyam decided to leave the village to**

- a) find work somewhere
- b) see places
- c) start a business
- d) join the Army



**II They were surprised when they reached the village Vatika because**

- a) there were no trees
- b) there were no people
- c) there were strange cube-shaped structures and huge fans.

d) there was no food.

**B. Say whether the following statements are True or False. Write T for True and F for False in the given brackets.**

- i) The Vatika village was green and clean. ( )
- ii) The fans you see are actually windmills. ( )
- iii) The houses were constructed with the mud bricks. ( )
- iv) The solar panels on the rooftops generated electricity from sunlight. ( )
- v) Ram and Ghanshyam were not happy to spend the night in the smart village. ( )

**C. Complete the following statements-**

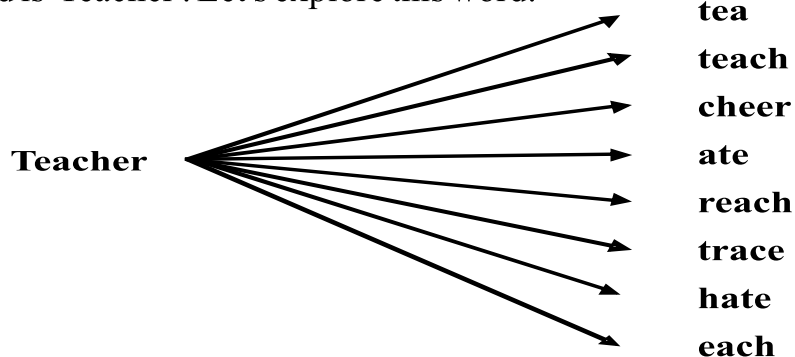
- i) Hari explained that the gas used for cooking .....
- ii) And so we started learning new methods of caring for .....
- iii) The people of Harpur too cooked on wood and coal fires and .....
- iv) The old man happened to be Hari, the.....
- v) Bio gas was made from the cow dung at the bio gas .....

## Activity II



**A. Let's play with words. Look at the word 'teacher' and see how many words you can make from the word.**

The word is 'Teacher'. Let's explore this word.



- B. In pairs, now try to make as many words as possible with the word 'surprise'. Try and find the meanings of the words you have made.

### Activity III



- A. Look at the sentences below taken from the story and notice how the word 'which' is used to join two sentences-

With the help of windmills electricity is produced, **which** is used for the street lights.

The sentence above can be written as-

With the help of windmills electricity is produced. Electricity is used for the street lights.

Let's read one more sentence

Ram and Ghanshyam, **who** left their village, reached Vatika.

This can be written as

Ram and Ghanshyam left their village. They reached Vatika.

- Relative Pronouns help to join sentences. They help us to avoid repetition.
- Some of the commonly used relative pronouns are who, whom, whose, which, that

- B. Use the word given in brackets to combine these sentences -

- Kailash is from Harpur. Kailash is a good painter. (who)
- The children were eating bananas. The bananas were green. (which)
- Sneha is the girl. I spoke to you about Sneha. (whom)
- They met a man. He was the village Sarpanch. (who)
- The solar panels were used to generate electricity from the sunlight. The electricity is then used to light up houses. (which)



## Activity IV



Look at the picture below and describe it to your friend. You may use the following clues-

- This is a shop
- Tea shop / Dhaba
- One person is speaking on the mobile phone
- There are .....



## Activity V



- A. Look around the area where your house is located. Find how electricity and water are used, and how waste is disposed of. Write a short paragraph of six sentences on your observations.**

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- B. Given below is a poster on saving energy. Read it carefully and talk about it with your friend.**



- C. Can you now design a poster on saving energy/electricity? You can make the poster using English and your mother tongue too.

