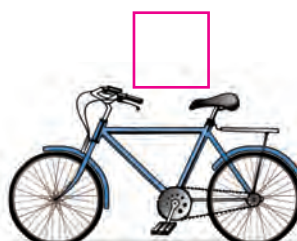
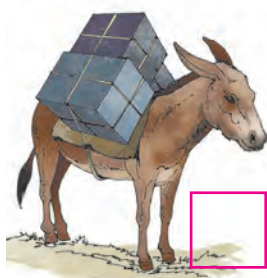
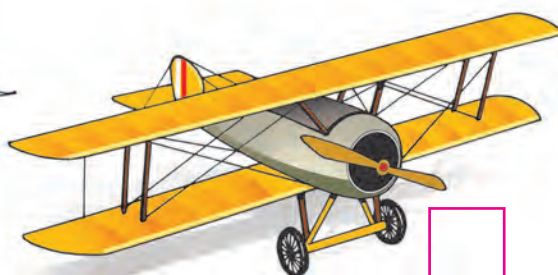
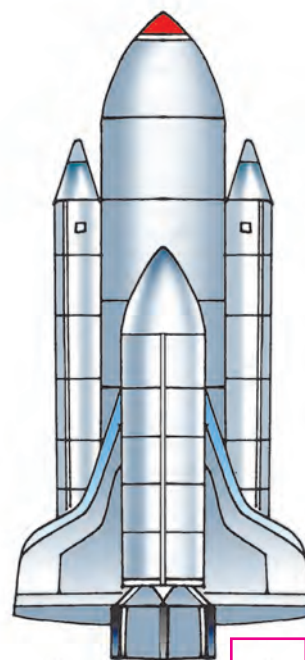


22. Transport and Communication



Can you tell ?



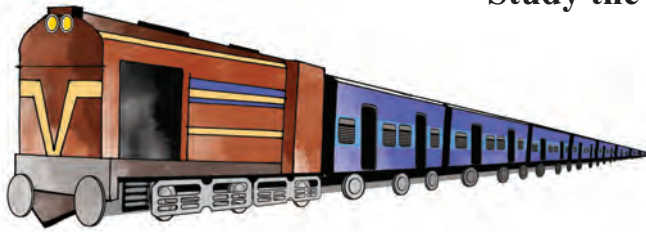
- Study the pictures shown above. Among them, find the means of transport you have used or seen and put a ✓ in the box next to its picture.
- Find the means of transport used to travel high above or away from Earth. Draw a circle in the box next to it.
- Have you seen the remaining means of transport anywhere before? In which period of time do you think they were used? Discuss it with your friends and teachers.

From the activity above, you can see that we used different means and modes of transport at different times in history. The means of transport we use nowadays are faster and safer than the older ones.



Can you tell ?

Study the pictures.



1. For what purposes do we use each of the above means of transport ?
2. Which of these three was the first to be used by man ?
3. Which part is common to all the three ?



Man used to see logs of wood and round boulders rolling down mountain slopes. It is thought that these observations gave him the idea of the wheel.

In olden days, planks of wood were used to transport objects. Later, by attaching wheels to these planks, the speed of transport increased. Time and effort were saved. The invention of the wheel is an important step in the progress of mankind.



Do you know ?



Even if ultra-modern means of transport have been invented in modern times, in some parts of the world, men and animals are still used for the purpose of transport. For example, yaks are used in inaccessible parts, camels in the desert and palanquins or *dolis* in mountainous areas.

Water and wind are substances that flow. Pipes are used to transport these substances. Water has been transported through pipes or canals since ancient times. It is safer to transport combustible substances such as mineral oil and natural gas through pipes. Crude oil is transported from the oil well to the refinery through pipelines. Similarly, after refining, it is transported to through pipelines to the marketplace, in some parts.



Try this.

Manjeet and Salim have to bring water from a mountain. However, since the weight of the water is too much for them, they cannot carry it down themselves. Which of the following options should they use?

- (1) A horse (2) A pipeline (3) A palanquin



Can you tell ?



Various means and methods of communication are shown above.

- (1) Which of the means of communication that we use at home are shown in the pictures? Put a $\triangle$ next to them.
- (2) Which of the other means of communication have you seen before? Put a $\bigcirc$ next to them.
- (3) Find out about the remaining means of communication from your teacher.

Obtaining or sending various types of information is called **communication**.

A few centuries ago, messages were sent by tying a letter to the foot of a pigeon. Messages were also sent through runners. In later times, telegrams and the postal service came into use. All these methods were very slow as compared to modern methods.

Nowadays, we have new techniques for very quick communication. Communication is now used in every field. With the help of media such as radio, television, internet, mobile phones, etc. we can easily communicate with several people at the same time. Man-made satellites are used for this purpose. Newspapers, periodicals, books, radio, television, internet etc. are all means of mass communication.



Do you know ?

In the beginning, man used gestures and facial expressions and different kinds of sounds to communicate. Later, different sounds came to mean different things. This led to the development of language. After spoken language, man invented writing. He began to carve his thoughts onto the walls of caves and pieces of wood. Communication began in this way in very ancient times.



Use your brain power !

Read the passage given below and answer the following questions.

- Which are the means of transport mentioned in the passage ?
- Which are the means of communication mentioned in the passage ?
- Arrange these means in order from the fastest to the slowest. Which of them have you used ?
- Which device has not been represented by a picture ? What is it used for ?

“As today was a holiday, Rohan was at home. He was watching a cricket match on . Just then the door  rang. When he opened the door, he saw the postman standing there. The postman gave him a  and a . Then he sat on his  and rode away. Rohan’s aunt had sent the . She was coming to town for the Christmas vacation. According to the  sent eight days ago, Aunt was to arrive from Nagpur by  today. Just then, the  rang. When Mother picked up the , it was Aunt on the line. Aunt had reached the station. When Mother went to Sania’s room to give her this

news, she was listening to music on her  . Mother then called Dada. Dada was chatting with his friends on the  . At last, Mother told Rohan, “Rohan, your father has gone to the farm on the  . Give him the message on his mobile.” “Mother, I cannot reach Father’s mobile.” Just then, Dada came. He said, “I will take the  to the station to pick up Aunt.” Saying this, he left.



Try this.

- Study the birds and animals in nature.
- See how they communicate with each other.
- Animals make certain specific sounds when they are in danger, when they recognize someone, when they see food or when they are injured. Listen to these sounds carefully and make a note of them in your notebook.
- Study the responses of the birds and animals when such sounds are made near them.

Cats, dogs, sparrows and crows make different sounds in different circumstances. You will find that other animals also make such sounds. This means that animals also communicate with each other. They also send and receive messages.



Do you know ?

Fish live in water. How do they communicate ?



Can you tell ?

1. What act does the picture show ?
2. What is the man in the picture doing ?
3. Have you seen such a performance in your neighbourhood ?
4. Make a list of similar acts that you know.
5. Why do we watch such programmes ?





Shahir

Study the pictures given here. Now compare your list with the forms of entertainment shown here and see if they match. All these acts entertain us. These are all local and live forms of entertainment. We can see these artists in person.



Bioscope



Magic show



Street play



Puppet show



Clown



Try this.

- Activity 1** Talk to the magicians, shahirs and other artists who perform in your neighbourhood.
- Activity 2** While watching your favourite TV show, try to talk to your favourite artist.
- In the two activities above, who were you able to talk to?
 - Which were the artists that you could not talk to?
 - What is the reason why they could not speak to you?

We use the radio, TV, computer and projector. We enjoy the programmes on these devices. These programmes are performed somewhere far away. They are filmed and recorded there and then transmitted to us. We can see and hear the programmes using the devices listed above. The radio, TV, etc. are means of entertainment that transmit programmes.



Use your brain power !

- Which of the following is/are not a means of transmission?
(1) Radio (2) Television
(3) Puppet theatre (4) Cinema



What's the solution ?

- Meena has to send a very important message to a distant place right away. Which means of communication do you think she should use?



What we have learnt –

- Information about modes of transport in different periods of time.
- The importance of the invention of the wheel.
- Means of communication in different periods of time.
- Live entertainment and means of transmission.



Do you know ?

Recently, the use of mobile phones has increased. However, our beloved sparrows are disturbed by the waves coming from mobile phones. That is why sparrows are disappearing from our environment.



Always remember –

Means of transport and communication are to be used as needed. Excess use of these means is harmful for us, for all living beings as well as for the environment.



Exercises



(A) Match the following.

- | | | |
|-----------------------------------|-----|----------------------------|
| 1. To travel far from Earth | () | a. A boat |
| 2. To carry heavy loads (on land) | () | b. A rocket |
| 3. To travel through water | () | c. A push-cart with wheels |

(B) Answer the following.

1. Which means of communication can be used to promote the pulse polio campaign in rural areas?
2. What means of communication do you use to watch a cartoon film?
3. What is a textbook used for?



Activity



- Make posters to give the message of avoiding unnecessary use of means of transport and communication. Put up a small exhibition of the posters in your school.

