

ENVIRONMENTAL STUDIES

2





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2

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Written By :

Edited By :

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Every care has been taken to minimize the mistakes regarding printing and other aspects of the book. However, there is always a scope of improvement. Any suggestion for further improvement of this book would be greatly acknowledged.

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PREFACE

Environmental studies have assumed great significance in education of a child in recent times. The subject covers every aspect of the world in which the child lives, his ownself, how he should care for his health and the way he should behave in the society. It is very important for a child to get aware of his/her surroundings.

The book " **Environmental Studies** " is a series of 0, 1 to 5 (in six parts) which is strictly based on the guidelines of NEP pattern to facilitate the teaching and learning of environmental studies.

The contents presented in these books have been selected keeping in view the physical and mental growth of the child. There will be an active participation of the students through regular exercises and activities within the text.

Key Features of the Series

- 2 Covers the latest syllabi of various boards.
- 2 All the exercises in the books can be used as tasks for Revision Test paper and Model Test Paper.
- 2 Interactive study approach.
- 2 An activity is provided in each chapter to facilitate hands-on learning and consolidation of environmental concepts.
- 2 **Points to remember** are given at the end of each chapter to highlight some important points of the topics.
- 2 **Exercises** are carefully graded and contain a wide variety of problems. They help the children to connect what they are learning to everyday situations.
- 2 **Facts corner** are given in each chapter where required.
- 2 **Info bits** are also given in each chapter.
- 2 **Teacher Notes** are given in each chapter where required.

I hope that the series will fulfil the needs of teachers and students by its virtue of its plus points. Still, there is always a room for improvement. Any suggestions from the teachers as well as the parents would be highly acknowledged and truly appreciated.

The header features a decorative graphic with a green and yellow butterfly on the left and a lion lying down on the right, both set against a background of green and yellow wavy lines. The word "INDEX" is written in a green, sans-serif font inside a red oval shape in the center.

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About Me



LEARNING OBJECTIVE

- Knowing about your own self.



I can comb my hair and fasten my shoelaces,
All by myself! I can wash my hands and wash my face,
All by myself! I can put my toys and books
back in place, all by myself!



Hi friends!
I am Arjun. I am a boy.
I am six years old.
I have grown up.



Paste your photographs here:



When I was in class I



As I am now



Let Me Answer

1. How old are you?
2. Do you know the address of your home?

TEACHER'S NOTES

Assist students to know more about themselves in detail. Help them to understand the importance of put reducing themselves.

Excercise

Fill in the blanks.

- My name is _____.
- I am a _____ (boy/girl).
- I am _____ years old.
- I study in class _____.
- I live in _____ (name of the city).
- I have _____ brother(s) and _____ sister(s).
- The name of my school is _____.
- My class teacher is _____.
- I love playing _____.
- _____ is my best friend.



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The full form of an ID card is an Identification Card.

- A. Look at your friend carefully. Write three things that are the same and three things that are different between you and your friend.



Similar

Different

- _____
- _____
- _____



Paste or draw the pictures of your likes and dislikes here!

My Likes



My favourite vegetable

My favourite toy

My favourite fruit

My favourite chocolate

My favourite colour



My Dislikes

The vegetable I do not like to eat.

The game I do not like to play.

The fruit I do not like to eat.

LEARNING OBJECTIVE

- All living things grow
- Different stages of plants, animals and human beings

All Living Things Grow

Plants, animals and human beings are living things. When we grow, our body parts also grow. This happens with all living beings.

Different Stages of Plants, Animals and Human Beings

A plant grows into a tree.

**Let Me Answer**

1. What sound does a cock make?
2. Have you ever planted a tree?



A chick grows up to become a hen.



A boy grows to become a man.



A girl grows to become a woman.

TEACHER'S NOTES

Guide students to understand the process of development in living beings with the help of this chapter.



We are born as babies.
The mother takes care of her baby.

From a baby, we grow up to be
a young boy/girl.



Young boy/girl grows up as teenager.

Teenagers grow up to become adults.



After many years, we grow old.
Our hair turns grey and our body
becomes weak.

infobits

Every young child grows to
look similar to their parents.

When we grow, some body
features change and some remain
the same. Write 'same' or 'change'
against each feature.

Features

Same or Change

Colour of eyes		<input type="text"/>
Height		<input type="text"/>
Number of fingers		<input type="text"/>
Colour of hair		<input type="text"/>
Weight		<input type="text"/>



Summary

- + All living things grow.
- + A plant grows into a tree.
- + A chick grows up to become a hen.
- + A baby grows up to be a girl or a boy.



Excercise

A. Tick (✓) the correct option.

- a. We are born as
babies adults old
- b. As we grow older, we become
weak strong healthy

B. Fill in the blanks.

- a. A boy grows to become a _____.
- b. A girl grows to become a _____.
- c. Teenagers grows to become _____.
- d. We are born as _____.

C. Answer the following questions.

- a. Do all living things grow?

- b. Who takes care of a baby?

- c. What does a plant grow into?



Paste the pictures to show the order of growth.



Egg



Chick



Hen



Seed



Plant



Tree



Baby



Child



Adult



Our sense organs



LEARNING OBJECTIVE

- Sense organs
- Problems in hearing
- Braille script
- Physically challenged people

Sense Organs

Each part of our body has a name and a special function. Some parts help us to know the world around us. These are called the sense organs. We have five sense organs - eyes, ears, nose, tongue and skin. These are organs of sight, hearing, smell, taste and touch respectively.



Eyes

Eyes help us to see the beautiful world. We see the birds, animals, flowers, trees and many other things with our eyes. We should take good care of eyes to keep them healthy.



Let Me Answer

1. Which body organ you to listen to songs?
2. What sound does your heart make?

TEACHER'S NOTES

Inform learners about the various sense organs of the human body. Explain their various features using the chapter given.

We should get our eyes checked regularly. The doctor examines the eyes and recommends the required pair of spectacles. This helps the person to see things properly. Some people also wear contact lenses instead of spectacles.

An optician is a person who makes the required spectacles for us.



Eyesight also becomes weak with age. Usually



old people need to wear glasses to see properly.

Braille Script

Blind people cannot see at all. But it does not mean that they cannot read or write. They use their sense of touch to feel the different patterns of raised dots to read and write. This system used by blind people for

reading and writing is called Braille.

A	B	C	D	E	F	G	H	I	J
⠠	⠡	⠢	⠣	⠤	⠥	⠦	⠧	⠨	⠩
K	L	M	N	O	P	Q	R	S	T
⠠	⠡	⠢	⠣	⠤	⠥	⠦	⠧	⠨	⠩
U	V	W	X	Y	Z				
⠠	⠡	⠢	⠣	⠤	⠥				

Braille Script

We should wash our eyes with cold water two to three times a day. Never rub your eyes with dirty hands.

Fact Finder

- Braille Script was developed by Louis Braille in the year 1824.

Ears

Ears help us to hear and recognise the different sounds like barking of dogs, honking of horns, chirping of birds, tinkling of coins etc. The sounds which seem unpleasant to our ears are called noises e.g., loud whistle, blaring loudspeakers etc.

Problems in Hearing

Some people have hearing problems by birth. Some have them due to age. Such people may use a hearing-aid to hear clearly.



Pleasant sound



Noise



Hearing aid

Some people who cannot hear at all

are called deaf. Hearing-aid is of no use to them. Such people can lip-read and also understand sign language.

We should take good care of our ears to keep them healthy. Never use a matchstick or hairpin to clean your ears. Always use a clean ear bud to do so.

Physically Challenged People

Some people cannot see, some cannot hear or some cannot speak. Such people are called physically challenged people. We should try to help them. We should be friendly with them. We should be kind and sensitive to them.

Summary

- + Our sense organs help us to know the world around us.
- + We have five sense organs — *eyes, ears, nose, tongue and skin*.
- + We should take good care of our eyes to keep them healthy.
- + *Blind people cannot see*. They use Braille script to read and write.
- + *Ears are the organs of hearing*.
- + Deaf people can speak if they are not dumb.

infobits

Many color blind people have problems with matching clothes and buying ripe bananas.

Excercise

A. Tick (✓) the correct option.

a. What do people with weak eyesight wear?

Braces



Spectacles



Hearing aid



b. Who can provide you with the correct pair of spectacles?

Physician



Optician



Dietician



c. Which of these is unpleasant?

Giggling of children



Chirping of birds



Blaring loudspeakers



B. Fill in the blanks.

- a. Our sense organs help us to _____ the world around us.
- b. Blind people use _____ to read and write.
- c. We should wash our eyes with _____ water.
- d. We should be _____ and _____ to everyday physically challenged people.

C. Match the following.

- | | |
|-----------|--------------|
| a. Ears | (i) Touch |
| b. Eyes | (ii) Hearing |
| c. Tongue | (iii) Smell |
| d. Nose | (iv) Taste |
| e. Skin | (v) Sight |

D. Answer the following questions.

- a. What are sense organs?

- b. What is Braille Script?

- c. How can we take care of our eyes?

- d. Who are physically challenged people?

1. Look at the pictures and write the names of the related sense organs.



2. Put the names of the five sense organs in this puzzle in such a way that they form a perfect ladder.



3. Without seeing or touching, you can still know certain things. For example, just by hearing the school bell, you know that your recess is over.
Now write any three activities that you can know of without seeing or touching.

4. Some physically challenged people have got success and fame because of their will power and hard work. Here are a few of them. Find out more about them and how they overcame their disabilities.



Stephen Hawking



Sudha Chandran



Helen Keller

Revision Test Paper-I

(Based on Chapters 1 to 3)

A. Tick (✓) the correct option.

a. As we grow older we become.

Weak

Strong

healthy

b. What do people with weak eyesight wear?

Braces

Spectacles

Hearing aid

B. Fill in the blanks.

a. Our _____ helps us to feel.

b. We are born as _____.

c. We should wash our eyes with _____ water.

C. Match the following.

1. Eyes

(i) Smell flowers

2. Nose

(ii) Hold things

3. Tongue

(iii) Watch TV

4. Hand

(iv) Taste dishes

D. Answer the following questions.

a. How many sense organs do we have? Name them.

b. What does a plant grow into?

c. What is Braille script?



My Family

LEARNING OBJECTIVE

- Types of families
- Our relations
- Role of family members

Parents and their children make a family. We live with our family in our home. Paste the photographs of your family members in these frames.



Write a sentence about each of them.

- My Father :
- My Mother :
- My Sister :
- My Brother :
- My Grandfather :
- My Grandmother :

TEACHER'S NOTES

Aid learners to understand the value of family and loved ones. Encourage them to talk more about their families.

Types of Families

When one set of parents and their children stay together in a house, it is called a nuclear family.

A nuclear family can be big or small.



Small nuclear family



Big nuclear family

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Father is the head of a nuclear family.

When more than one set of parents and their children stay together in a house, it is called a joint family.

A joint family can also be big or small.

In a big joint family, grandparents, parents, children, aunts, uncles and cousins all live together in the same house.



Big joint family

Let Me Answer

1. How many family members do you have in your family?
2. Do you live in a joint family?

Fact Finder

- A single parent family has children and either of the two parents - father or mother.

Our Relations

Father's parents are our paternal grandparents.

Mother's parents are our maternal grandparents.



Paternal Grandparents
(Dada and Dadi)



Maternal Grandparents
(Nana and Nani)

Father's/Mother's sister is called **aunt**.

Father's/Mother's brother is called **uncle**.

Children of uncle and aunt are called **cousins**.



Role of Family Members

Every member of a family performs an important role.

Parents take care of the home and all the needs of their children.

Father earns money for the family. He takes care of all the needs of the family. He helps the children in their studies.

Mother takes care of all the needs of each family member. She cooks food, washes clothes and takes care of the entire household.

As a family, children also have certain duties to perform.

1. They should help the mother in the kitchen.
2. They should help in keeping the house clean.
3. They can do small jobs like bringing things from the nearby market.
4. They can look after the plants.
5. They should take care of their younger brothers/sisters.



Parents feel very happy when their children help them.



Summery

- + Parents and their children make a family.
- + When one set of parents and their children stay together in a house, it is called a nuclear family.
- + When more than one set of parents and their children stay together in a house, it is called a joint family.
- + Every member of a family performs an important role.

A. Tick (✓) the correct option.

- a. A nuclear family can be
big small both
- b. A joint family has
one set of parents more than one set of parents
none of these
- c. Mother's parents are our
paternal grandparents maternal grandparents
cousins

B. Fill in the blanks.

- a. Parents and their children make a _____.
- b. A joint family can also be _____.
- c. Father's brother is called _____.
- d. _____ washes clothes for the family.

C. Answer the following questions.

- a. What is a nuclear family?

- b. What is a joint family?

- c. Who are cousins?

- d. What all role can children perform in a family?

A. Find out these words in the word-search:

Father
 Mother
 Uncle
 Aunt
 Brother
 Sister
 Grandfather
 Grandmother



B. Give details of your family members living in your house.

S. No.	Family Members	Number of Members	Type of Family
MY FAMILY	father, mother, uncle, aunt, 1. sister 2. cousins	7	Joint family
FRIEND - 1			
FRIEND - 2			

5

My Sweet Home



LEARNING OBJECTIVE

- House gives us protection
- People who help in making a house
- Types of houses
- An ideal house

House Gives Us Protection



All of us need a house to live in. It protects us from heat, cold, rain, storm, wild animals and thieves.

We feel safe and comfortable inside our house.

The type of house a person builds depends upon many things like material, cost, place, weather conditions, etc.

We see different types of houses all over the world. In places that get heavy rain and snow, people build houses with **sloping roofs**. Such a roof allows the rain or snow to slide down easily.



A house with a sloping roof



A house with a flat roof



TEACHER'S NOTES

Let students talk about their homes and motivate them to understand the value of homes and shelter.

Areas around the poles are covered with snow throughout the year. People living here build **igloos**, houses of snow. Inuits live in igloos.



Tents

People who keep on moving from one place to another carry foldable houses called **tents**.



Fact Corner

- Tepee is a cone shaped tent made by American-Indians.



Caravan

A house that moves on wheels is called **caravan**.

A house that floats on water is called **houseboat**.



Houseboat



Stilt House

People living in areas where it rains heavily make houses on stilts.

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Early man lived in caves or just under the shade of trees.

Types of Houses

There are mainly two types of houses : **Kutcha houses** and **pucca houses**.

Kutcha or Temporary Houses

Kutcha houses are made of mud, bamboo and straw. Such houses are mainly found in villages. These are weak houses.



Kutcha house



Pucca house

Pucca or Permanent Houses

Pucca houses are strong houses. They are built with materials like bricks, cement, wood, steel and tiles. They do not get damaged easily. Such houses are mostly found in towns and cities.



Bungalow



Double storeyed house



Flat

Types of Pucca houses

People Who Help in Making a House



Many people work to build me.
Let us meet some of them.



Let Me Answer

1. Does your house have a roof?
2. How many rooms does your house have?

- ❁ An **architect** draws the plan of a house.
- ❁ A **mason** lays bricks and cement to build the walls.
- ❁ A **plumber** fixes the pipes and taps for water.
- ❁ An **electrician** fits the electrical wires, lights, fans, bulbs, etc.
- ❁ A **carpenter** makes doors, windows and other furniture of the house.
- ❁ A **painter** paints the house.



Architect



Mason



Plumber



Electrician



Carpenter



Painter

An Ideal House

An ideal house is one that is neat, clean and well-ventilated. It should get sufficient air and sunlight. The things in the house should be dusted everyday and kept in their proper places to keep it clean. The people in the house should have enough space to live in and move about.



Summery

- + A house protects us from heat, cold, rain, storm, wild animals and thieves.
- + The type of house a person builds depends upon many things like material, cost, place, weather conditions, etc.
- + We see different types of houses all over the world.
- + There are two types of houses - kutchra houses and pucca houses.
- + Many people help in making a house - architect, mason, plumber, electrician, carpenter, painter etc.
- + An ideal house is one that is neat, clean and well-ventilated.

Excercise

A. Tick (✓) the correct option.

- a. What kind of roof do houses in places of hot weather have?
 Flat roof Sloping roof Both
- b. Which of these is a foldable house?
 Igloo Tent Caravan
- c. Which of these is a house on wheels?
 Caravan Stilt house Houseboat
- d. Who paints the house?
 Painter Carpenter Architect

B. Fill in the blanks.

- a. All of us need a to live in.
- b. We feel and inside our house.

- c. A roof allows the rain to slide down easily.
d. A house that floats on water is called

C. Match the following.

a. Kutcha House

(i)



b. Pucca House

(ii)



Colour this house beautifully.





Our Food

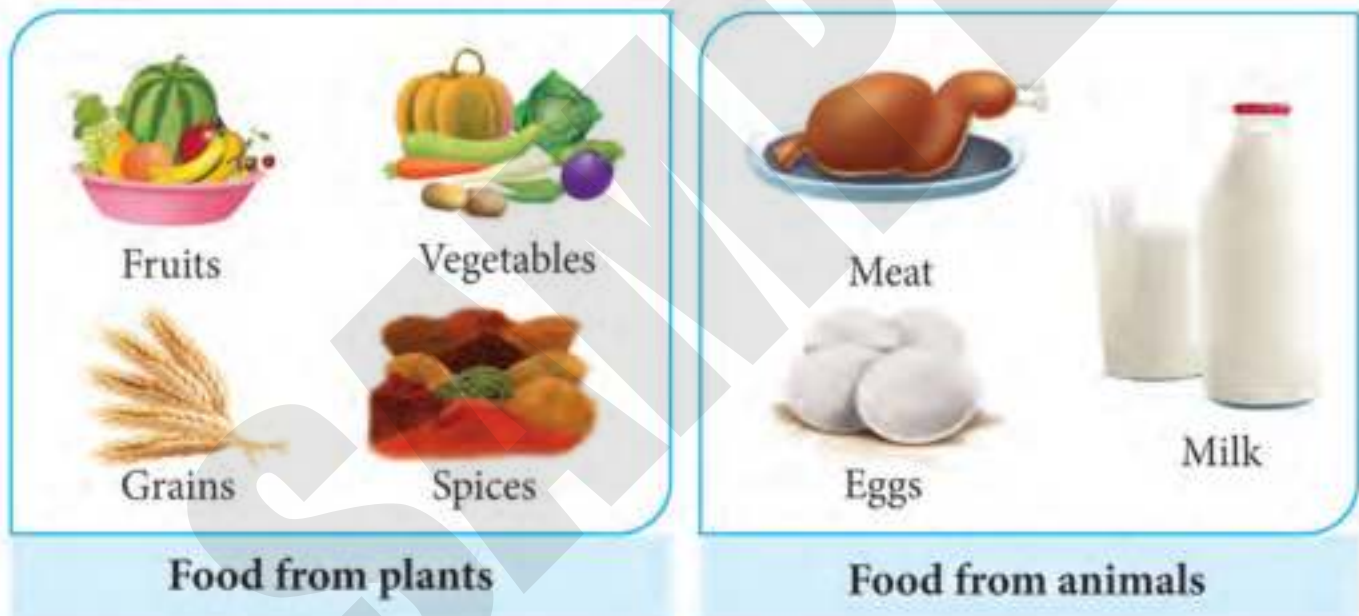


LEARNING OBJECTIVE

- Food helps us to grow and live
- Importance of water
- Kinds of food
- Good food habits

Food Helps Us to Grow and Live

All living things need food to grow and live. Food gives us energy. It helps us to stay healthy. We need to eat different kinds of food to stay healthy. We get all the food from plants and animals.



Kinds of Food

Different kinds of food help us in different ways. Some give us energy, some help us to grow and some protect our bodies from diseases.

Energy-giving Food

Some foods like potatoes, bread, sugar, butter, oil and sweets give us a



TEACHER'S NOTES

Motivate students to learn about different food items. Ask them to have an open discussion about the same.

lot of energy. Such foods are called **energy-giving foods**.



Body-building Food

The foods that help us to grow well and makes our bones and muscles strong are called **body-building** foods. Some of the body building foods are pulses, beans, eggs, milk, nuts, etc.

Protective Foods

The foods that protect us from diseases are called protective foods. They help us to remain healthy. These include fruits and vegetables.



Raw and Cooked Food

Some foods are eaten raw like fruits and vegetables. Some foods are cooked before eating like rice and wheat. Cooking makes the food soft and tasty. Cooked food is easy to digest.

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Cooked food is easy to digest.

- People who do not eat food like fish, eggs and meat are called vegetarians.
- People who eat food like eggs, fish and meat are called non-vegetarians.

Importance of Water

Water is an important part of our food. It helps to digest the food. We should drink 8-10 glasses of water everyday.



Meals

A meal is the food we eat. We eat three meals in a day - breakfast, lunch and dinner.



Breakfast



Lunch



Dinner

Good Food Habits

We should be very careful about our food habits.

- We should wash our hands before and after meals.
- We should always eat covered food.
- We should rinse our mouth after eating.
- We should chew the food well.
- We should never waste food.
- We should not eat too much of sweets.
- We should avoid eating junk food.



Let Me Answer

1. Which is your favourite fruit?
2. What is the colour of a brinjal?





Summery

- + All living things need food to grow and live.
- + Food gives us energy. It helps us to stay healthy.
- + We get all the food from plants and animals.
- + The different kinds of food are energy-giving food, body-building food and protective food.
- + Some foods are eaten raw and some are cooked before eating.

Excercise

A. Tick (✓) the correct option.

a. Which of these do we get from plants?



Fruits



Eggs



Milk

b. Which of these is an energy-giving food?



Meat



Potato



Apple

c. Which of these is a body-building food?



Butter



Spinach



Apple

B. Fill in the blanks.

- a. We get all the food from and
- b. and are protective foods.
- c. makes the food soft and tasty.
- d. Cooked food is easy to
- e. We should never food.

C. Write true or false.

- a. Potato and bread are body-building foods.
- b. We should eat lots of sweets.
- c. Food should never be kept covered.
- d. Cooking destroys the food.
- e. We should never drink water.
- f. We should wash our hands before and after meals.

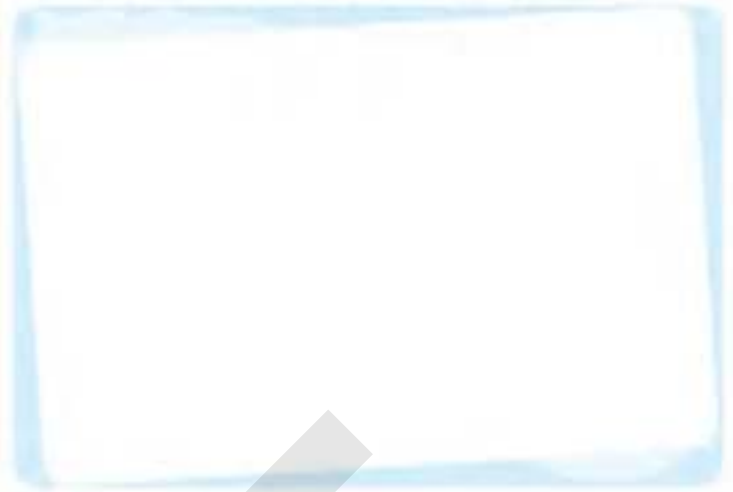
D. Answer the following questions.

- a. Why do we need food?
.....
- b. What are energy-giving foods?
.....
- c. What are body-building foods?
.....
- d. What are protective foods?
.....
- e. What are some good food habits?
.....

A. Paste the pictures of three food items in each box given below.



Energy-giving food



Body-building food



Protective food

B. Write your own poem on 'Food We Eat' here.

.....

.....

.....

.....

.....

.....



Our Clothes



LEARNING OBJECTIVE

- Different types of clothes
- How clothes are made?

Clothes are our basic needs. We wear clothes to cover our body. Clothes protect us from heat, cold, rain, dust and insects. They make us look smart.

Different Types of Clothes

We wear clothes according to season, need and occasion. We wear different clothes in different seasons.

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Early man used leaves and skin of animals to cover his body.



Summer clothes

We wear **cotton clothes** in summer. These clothes keep us cool. We get cotton from the cotton plant.



Winter clothes

We wear **woollen clothes** in winter. They keep us warm. We get wool from sheep.



Clothes of rainy season

During the rainy season, we use **raincoats** or **umbrellas**. We also wear gumboots. They protect us from rain.



TEACHER'S NOTES

Encourage students to talk about different fabrics and clothes. Let them discuss their different clothes items in the classroom.

Some Other Clothes

Silk Clothes

We wear silk clothes on special occasions.
We get silk from silkworm.



Let Me Answer

1. What do you wear in winter?
2. What is the colour combination of your school?

Fact Corner

- Silkworm feeds on mulberry leaves.

Synthetic Clothes

Clothes made from artificial fibres like rayon, nylon and polyester are called synthetic clothes. These are shiny and more durable.



Uniform

Uniform is worn by school children, doctors, nurses, lawyers, policeman and postman. These people can be easily identified by their uniform.



People who wear uniform

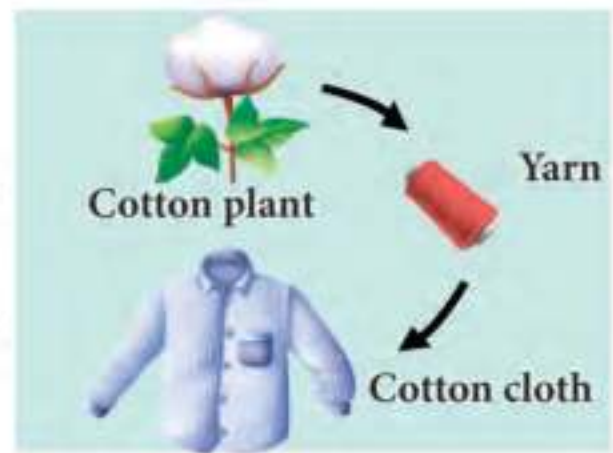
Can you recognise the name of the country by looking at the clothes?



How clothes are made?

Cotton Clothes

We know that cotton is obtained from cotton plants. Cotton is spun into yarn. The yarn is then used to make cloth on a loom. This is called **weaving**.



Woollen Clothes

Wool is the soft, thick hair of sheep. It is used to make woollen clothes like sweaters and shawls. Sheep hair are removed from its body. This is called **shearing**. Then it is cleaned and spun into wool. This wool is used to knit sweaters and other woollen clothes.

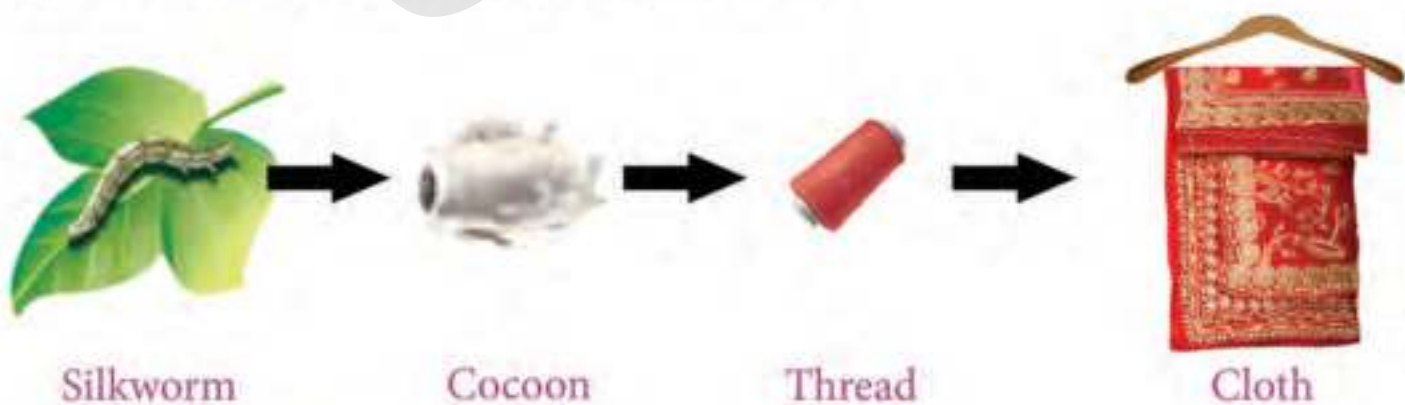


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Clothes are our basic needs.

Silk Clothes

Silkworm feeds on mulberry leaves. We get silk from a silkworm's cocoon. Silk thread is made from cocoon.





Summary

- + Clothes are our basic needs.
- + We wear clothes to protect ourselves from heat, cold, rain, dust and insects.
- + We wear cotton clothes in summer.
- + We wear woollen clothes in winter.
- + We wear raincoats and gumboots in rainy season.
- + School children wear uniform.

Excercise

A. Tick (✓) the correct option.

- a. We wear clothes to protect ourselves from
heat cold both
- b. We wear _____ clothes in summer.
cotton woollen uniform
- c. We wear _____ clothes in winter.
cotton woollen rainy
- d. We get wool from
cow lion sheep

B. Fill in the blanks.

- a. Clothes are our _____ needs.
- b. We wear _____ clothes in summer.
- c. School children wear _____.
- d. Silk thread is made from _____.

C. Match the following.

a. Astronaut

(i)



b. Doctor

(ii)



c. Soldier

(iii)



d. Student

(iv)



D. Answer the following questions.

a. Which clothes do we wear in summer?

b. Which clothes do we wear in winter?

c. Who all wear uniform?

d. How are woollen clothes made?

We wear different dresses at different times. Look at the clothes of these children and name the place they are going to.

School

Wedding

Fancy dress competition

Swimming



Revision Test Paper-II

(Based on Chapters 4 to 7)

A. Tick (✓) the correct option.

a. A house that floats on water is called

house boat

stilt house

caravan

b. Which of these is an energy giving food?

Meat

Potato

Apple

B. Fill in the blanks.

a. We wear _____ clothes in summer.

b. We should never _____ food.

c. A _____ roof allows the rain to slide down easily.

C. Match the following.

a.



(i) Energy-giving food

d.



b.



(ii) Protective food

e.



c.



(iii) Body-building food

f.



D. Answer the following questions.

a. When do we need food?

b. What is an ideal house?

c. Who all wear uniform?

Modal Test Paper-I

(Based on Chapter 1 to 7)

A. Tick (✓) the correct option.

a. Which of these is a foldable house?

Igloo

Tent

Caravan

b. _____ is an energy-giving food.

rice

apple

pumpkin

c. We wear cotton clothes in

summer season

winter season

rainy season

B. Fill in the blanks.

a. A house that floats on water is called _____.

b. School children wear _____.

c. Parents and their children make _____.

C. Write true or false.

a. We should eat lots of sweets.

b. Cooking destroys the food.

c. We see different types of house all over the world.

d. Ears are the organs of hearing.

D. Answer the following questions.

a. What are some good food habits?

b. Which clothes do we wear in winter?

c. What is a Pucca house?

E. Put the names of the five sense organs in this puzzle in such a way that they form a perfect ladder.



F. Colour this house beautifully.



Our Neighbourhood

LEARNING OBJECTIVE

- Places in our neighbourhood
- Our Neighbourhood

Our Neighbourhood

The people who live near us in the same area are our neighbours. The people and the places of any area make up the neighbourhood.



Our Neighbourhood

Places in Our Neighbourhood

Market

We buy fruits, vegetables, pulses, grains, and many other things for our everyday use from the market. We buy these things from the shops and stalls in the neighbourhood market.

TEACHER'S NOTES

Define the meaning and importance of the neighbourhood. Discuss with about people living in their neighbourhood.

Hospital

We go to a hospital when we are sick or hurt. The doctors and the nurses in the hospital give us medicine, take care of us and help us get well soon.



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To call an ambulance dial 102.

Police Station



A police station is the office of the local police. The policeman help to keep our neighbourhood safe from thieves and robbers. They guard our neighbourhood and keep our lives and belongings safe.

infobits

To call police, dial 100.

Bank

We keep our money and jewellery safely in a bank. Banks also lend us money when we need.

Banks also issue credit cards. We can use a credit card to buy things.

Do you have an ATM in your neighbourhood?



Fact Corner

- ATM is an automatic machine that allows people to take out money anytime.

Post Office

Every neighbourhood has a post office. We can buy post cards, inland letters and stamps from the post office. We can send parcels, letters and money orders to our friends and relatives. The postman brings letters to our homes.



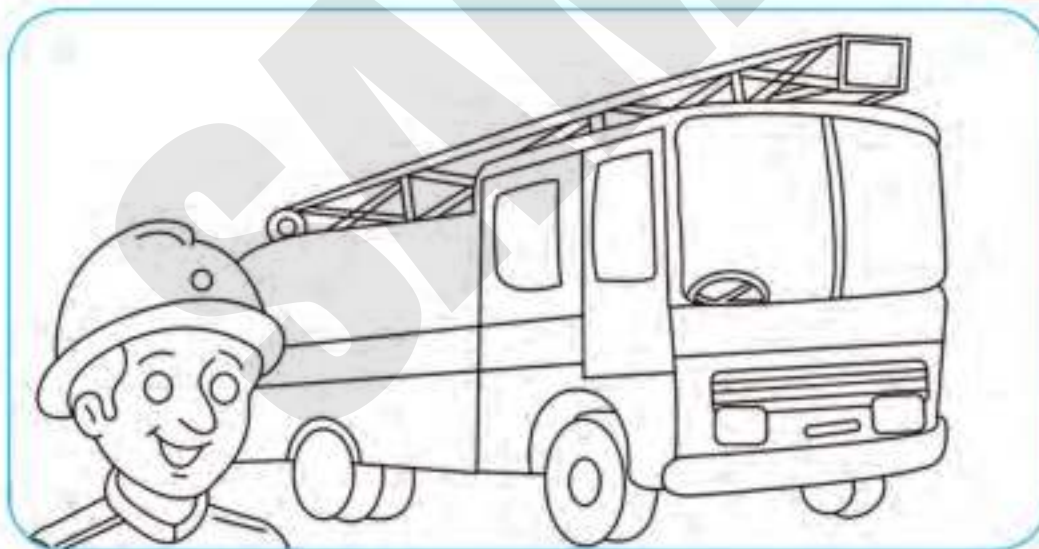
Fire Station

Whenever a fire breaks out, we call fire brigade from the fire station.

Firemen come in fire engine. They help to put out the fire.

They use long ladders and water hose pipes to save the lives of other people and their property.

Colour this fire engine red.



Let Me Answer

1. Who lives to the left of your house?
2. Who sits to your right in the classroom?



Summary

- + The people who live near us in the same area are our neighbours.
- + The people and the places of any area make up the neighbourhood.

Excercise

A. Tick (✓) the correct option.

- a. Where will you go to buy a stamp?
Market Bank Post office
- b. Where will you go if you are hurt?
Police station Hospital Market
- c. Where will you go to call fire fighters?
Post office Fire station Hospital
- d. Where will you keep your money safely?
At home In a bank In a police station

B. Fill in the blanks.

- a. The people who live near us in the same area are called _____.
- b. We can keep our money and jewellery in the _____.
- c. The postman brings letters to our _____.
- d. When we are sick, we go to _____.

C. Match the following.

- | | |
|---------------------|----------------------------------|
| a. When we are sick | (i) also issue credit cards. |
| b. Bank | (ii) we go to hospital. |
| c. The Postman | (iii) helps to put out the fire. |
| d. The Firemen | (iv) brings letter. |

D. Answer the following questions.

- a. Who are neighbours?

- b. What is a neighbourhood?

- c. What all can we buy from the market?

- d. Who are firemen?

- e. Where can we keep our money safely?

A. Here are a few other places in a neighbourhood. Different people pray at different places. Can you take these people to their respective worship places?



Pujari (Priest)



Maulvi



Father



Granthi

Gurudwara



Church



Temple



Mosque



B. Make a chart on neighbourhood services and hang it in your classroom.

C. Name these place.









People In Neighbourhood

LEARNING OBJECTIVE

- Different occupations
- Different people do different kinds of jobs

Different Occupations

Work is an important part of life. All of us need to work to keep ourselves busy. Work done to earn money is called an occupation. **Different People Do Different Kinds of Jobs.**

Some people sell things



A chemist sells medicines.



A stationer sells stationery.



A green-grocer sells vegetables.



A cloth-merchant sells cloth.



A milkman sells milk.

Let Me Answer

1. What do you want to become when you grow up?
2. Do you go to the market to shop with your mother?

Some people repair things



A **cobbler** mends our shoes.



A **mechanic** repairs vehicles.



A **plumber** repairs leaking taps and pipes.

TEACHER'S NOTES

Inform students about the different job profiles that people have. Motivate them to talk about their aims and goals.

Some people make things



A **baker** makes breads and biscuits.



A **tailor** stitches clothes.



A **carpenter** makes furniture.

infobits

Special training, skill and learning is required for some occupations like doctor, teacher, lawyer etc.

Some people are called professionals



A **doctor** treats sick people.



A **teacher** teaches the students.



An **engineer** makes roads, buildings, etc.



A **lawyer** studies law.



Summery

- ✦ Work is an important part of life.
- ✦ Work done to earn money is called an occupation.
- ✦ Different people do different kinds of jobs.
- ✦ A doctor treats sick people.
- ✦ A lawyer studies law.

Excercise

A. Tick (✓) the correct option.

a. Who sells medicines?

Chemist



Green-grocer



Plumber



b. Who repairs vehicles?

Cobbler



Stationer



Mechanic



B. Fill in the blanks.

a. Work done to earn money is called _____.

b. A _____ sells medicines.

c. A green-grocer sells _____.

d. A carpenter makes _____.

C. Answer the following questions.

a. Who is a cobbler?

b. Who is a green-grocer?

c. What does an engineer do?

d. What does a carpenter do?

A. Discuss who do they need to help them?







B. Can you rearrange the letters to name these people?



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Festivals We Celebrate



LEARNING OBJECTIVE

- Festivals are times for celebration
- National festivals
- People who help in making a house
- Harvest festivals

Festivals are Times for Celebration

Festivals are times for celebrations and fun. Festivals unite people of different caste and creed. In India, we celebrate many festivals.

National Festivals

Some festivals such as **Republic Day**, **Independence Day** and **Gandhi Jayanti** are celebrated all over India. These are our **National Festivals**.

Let us discuss about them in detail.

Republic Day

Republic Day is celebrated on 26th January every year. On this day, India became a republic. There is grand parade on Rajpath and the President of India takes the salute of the parade.



Independence Day

Independence Day is celebrated on 15th August every year. India became free from the British rule on this day in 1947. On this day, our National Flag is hoisted at Red Fort.

Gandhi Jayanti

We celebrate Gandhi Jayanti on 2nd October every year. It is the birthday of Mahatma Gandhi. He is known as the '**Father of the Nation**'.



TEACHER'S NOTES

Help students to learn about the importance of festivals. Tell them the reason behind celebrating festivals.

Religious Festivals

The festivals connected with religions are discussed here.



Fact Corner

- Mahatma Gandhi was popularly known as 'Bapu'.



Dussehra

Dussehra is the festival of Hindus. It is also known as **Vijay Dashmi**. It is celebrated for ten days. On Dussehra, effigies of Ravana, Meghnatha and Kumbhkarna are burnt.



Let Me Answer

1. How do you celebrate Republic Day?
2. When do you celebrate your birthday?

Diwali

Diwali is the most popular festival of Hindus. It is called the festival of lights. It is celebrated exactly 20 days after Dussehra. On this day, Lord Rama returned to Ayodhya after 14 years of exile. On this day, people wear new clothes and exchange sweets. Earthen lamps are lit and children burst crackers. We worship Goddess Lakshmi on Diwali night.



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To avoid pollution many children take a pledge not to burn crackers.

Id

Id is the most important festival of the Muslims. It is celebrated after the fasting month of **Ramzan**. People go to Mosques to offer **Namaz**. A special sweet dish called '**Sewain**' is cooked on this day.



Gurupurab

Gurupurabs mark the birthdays of Sikh gurus. Guru Nanak Dev Ji was the first guru of the Sikhs. On this day, people go to gurudwaras for special prayers. They eat **langar** from the common kitchen.

Christmas

Christmas is celebrated on 25th December every year. It marks the birthday of Lord Jesus Christ. On this day, Christmas trees are decorated. People sing carols in the church. It is believed that Santa Claus brings gifts for them.



Harvest Festivals

Harvest festivals are celebrated when crops are ready for harvesting.

Holi

Holi is a festival of colours. People play with colours and water. **Holika** is burnt to mark the victory of good over evil.



Find out the name of a special sweet prepared on Holi.



Pongal

Pongal is the harvest festival of Tamil Nadu. It is celebrated for three days. Rain God, Sun God and Cattle are worshipped on these days.

Onam

Onam is the harvest festival of Kerala. Flower rangolis are made during this festival. Snake boat race is a common attraction of this festival.



Summery

- + Festivals are times for celebrations and fun.
- + Republic Day, Independence Day and Gandhi Jayanti are the National Festivals of our country.
- + Diwali, Dussehra, Id, Christmas and Gurupurab are the main religious festivals.
- + Holi, Pongal and Onam are some of the harvest festivals.

Excercise

A. Tick (✓) the correct option.

a. Republic Day is celebrated on

26th January



15th August



2nd October



- b. Diwali is called the festival of
 colours sweets lights
- c. Which festival is also known as Vijay Dashmi?
 Holi Pongal Dussehra

B. Fill in the blanks.

- a. Festivals _____ people of different caste and creed.
- b. Dussehra is the festival of _____.
- c. We worship goddess _____ on Diwali night.
- d. People go to mosques to offer _____.

C. Answer the following questions.

- a. How do we celebrate Diwali?

- b. When do we celebrate Christmas?

- c. What are harvest festivals?

- d. How do we celebrate Independence Day?

Find out the names of these festivals and write 2-3 lines about each.





Revision Test Paper-III

(Based on Chapters 8 to 10)

A. Tick (✓) the correct option.

a. Where will you go to buy a stamp?

Market

Bank

Post office

b. Diwali is the festival of

colours

light

sweets

B. Fill in the blanks.

a. Work done to earn money is called

b. Dussehra is the festival of

c. People go to mosques to offer

C. Match the following.

a.



(i) Republic Day

(ii) Diwali

b.



(iii) Christmas

(iv) Holi

c.



d.



D. Answer the following questions.

a. What is a neighbourhood?

b. Who is a green grocer?

c. Who repairs leaking taps and pipes?

11

Means of Communication



LEARNING OBJECTIVE

- Meaning of communication
- Mass Communication
- Various ways of communication

Meaning of Communication

The act of sending and receiving messages is known as **communication**. We communicate in various ways. These are called **means of communication**.



Long ago, pigeons were used to carry messages from one place to another. Then messengers carried letters on horse's back. But this method took a very long time. Now-a-days, we have many fast means of communication.



Fact Corner

- Writing is the oldest form of communication.

Various Ways of Communication

Postal Communication



It is the most popular method of communication. We write our message on post cards, inland letters or plain paper.

This plain paper is put in a stamped envelope. The letter is dropped in the post box.



TEACHER'S NOTES

Guide learners about new modes of communication. Define the meaning of communication and conveying messages to others.

The postman collects the letters from here and takes to the post office. Here the letters are sorted and send to their destination.

We must write the correct address on the letter.

Fax Machine

Fax machine sends and receives printed messages along telephone wires.



Telephone

With the help of a telephone we can talk to others at far off places. This is the fastest mean of communication.

Cellular or mobile phones are used now-a-days. These can be carried anywhere.



Mass Communication

When messages are sent to a large number of people at the same time, it is called mass **communication**.

Radio, television, newspapers, magazines and computers are means of mass communication.

Radio

Radio was a very popular means of communication before television was invented. It is an audio means of communication.



Television



Television is an audio-visual means of communication.

Newspapers and Magazines

Newspapers and magazines are used to send messages to large number of people at the same time.



Computers

Today computers also help people to communicate. With the help of internet, you can send messages through e-mail to any part of the world.

Label the parts of the computer:



Let Me Answer

1. Have you ever written a letter to someone?
2. Which is faster to call or message?

Make your own e-mail id and write it here.

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Now-a-days internet is used like a phone to talk and even see the person with the help of a web camera.



Summery

- + The act of sending and receiving messages is known as communication.
- + Postal communication is the most popular method of communication.
- + When messages are sent to a large number of people at the same time, it is called mass communication.
- + Radio, television, newspapers, magazines and computers are means of mass communication.

Excercise

A. Tick (✓) the correct option.

- a. Which is the oldest form of communication?
Writing Talking Gestures
- b. Which of these is an audio means of communication?
Radio Television Newspapers
- c. Which of these is used to send printed messages?
Fax Machine Magazine Telephone
- d. Which of these means is used to send e-mail?
Telephone Computer Magazine

B. Fill in the blanks.

- a. The act of sending and receiving messages is known as _____.
- b. _____ communication is the most popular method of communication.
- c. _____ phone can be carried anywhere.
- d. _____ is an audio-visual means of communication.

B. Answer the following questions.

- a. What is communication?

- b. What are the means of communication?

- c. What is the use of telephone?

- d. What is a fax machine?

A. Write your address on this postcard.



B. Colour this Post-box.



Learning objectives

- ✦ Different means of transport
- ✦ Animals used as means of transport



I love travelling,
To places far and wide,
To villages, towns and cities,
By the sea or mountain side.
To places that are near,
I'd go by bus or train,
But when I have to travel far,
I'll hop on to a plane.

Early man travelled on foot. Later he used animals for travelling. The invention of wheel made life very comfortable. We can now travel faster and longer distances than ever before.

Different Means of Transport

Today we have three means of transport:

1. Land Transport
2. Water Transport
3. Air Transport

Draw your favourite means of transport here. Also colour it.



Land Transport

Vehicles that move on land are means of land transport. Some of these are slow, some are fast. Train is the fastest means of land transport.



Let Me Answer

1. How do you travel to school from your home?
2. Do you know how to do cycling?

Slow means of transport



Bicycle



House Cart



Bullock Cart



Camel Cart



Rickshaw

Fast means of transport



Scooter



Car



Bus



Train

Water Transport

Vehicles that sail in water are the means of water transport. Ships and boats are common means of water transport.

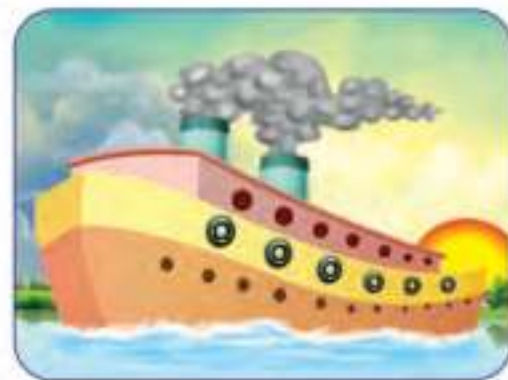


Fact Corner

Trains run on railway tracks.



Boat



Ship

Air Transport

Vehicles that fly in air are the means of air transport. Aeroplanes, helicopters and gliders fly in the air.



Aeroplane



Helicopter



Glider

They help us to reach far off places in a short time.

Animals Used as Means of Transport

Different animals are used as means of transport in some places.



Elephants are used in forests to carry heavy logs of wood.



Camels are used in desert areas.



Ponies and mules are used in hilly areas to carry people and loads.



Bullocks and horses are used to pull the cart.



Fact Corner

- Helicopters can fly backward, forward and sideways.



Summary

- + We have three different means of transport – land, water and air.
- + Vehicles that move on land are called the means of land transport.
- + Vehicles that sail on water are called the means of water transport.
- + Vehicles that fly in air are called the means of air transport.

Excercise

A. Tick (✓) the correct option.

a. Which of these is a means of slow transport?



Aeroplane



Train



Horse Cart

b. Which of these is a means of water transport?



Ship



Scooter



Car

c. Which of these is the fastest?



Bus



Train



Aeroplane

B. Fill in the blanks.

- a. Vehicles that move on land are called means of
- b. Ships and boats are transport.

- c. Early man travelled on
- d. Camels are used in areas.

C. Answer the following questions.

- a. What do you understand by means of land transport?
- b. What do you understand by means of water transport?

A. Write the name of correct mode of transport which you will use for the following.

- a. You have to go to your school.



- b. You are shifting your residence.



- c. You are going on a trip from Mumbai to Goa.



- d. You are going to visit a village where there is a river in between.



B. Name these means of transport.



Our Universe

LEARNING OBJECTIVE

- Heavenly bodies
- Globe

Heavenly Bodies

Outer world (Space) comprises of huge galaxies, planets and satellites. All these are referred to as heavenly bodies. We see the Sun during daytime and Moon and stars during night time.



Our space is a part of a vast expansion.

This space is called the universe. It consists of the stars and their planets along with other heavenly bodies.



Sun

Sun

The Sun is a star. It is a huge ball of hot gases. It gives us heat and light.

It rises in the morning and sets in the evening. The time between sunrise and sunset is called the day.

The time after sunset is called the night.

TEACHER'S NOTES

Inform learners about the different celestial bodies and explain why they are popular and important.

Moon

The Moon is the Earth's natural satellite. It is only visible at night in the sky. It does not have its own light. It reflects the sunlight.

The Moon keeps on changing its shape. It takes 29 days to revolve round the Earth.



Moon



Stars

Stars

Countless stars are there in the sky. They reflect their own light. They twinkle at night like tiny bulbs.

Some stars are several times bigger than the Sun. They look very small because of

their large distance from the Earth.

The logo for 'infobits' features the word 'infobits' in a bold, orange font. Above the 'i' and 'b' are small orange speech bubble icons.

The Sun is a huge ball of hot gases.



Fact Corner

The Moon is no mystery to us. The first man to land on the Moon was an American astronaut, Neil Armstrong. He landed on the Moon in 1969.



Let Me Answer

1. Which is the closest star to the earth?
2. Which is known as the blue ball?

Earth

Earth is the only planet that supports life. The presence of air and water make this planet worth living. It is made up of rocks and is shaped like a ball.

Earth is surrounded by a layer of air and gets heat and light from the Sun.

Three-fourth part of the Earth is covered by water. So, it is called the blue planet.

Earth revolves round the Sun and completes one revolution in 365 days. Revolution of Earth causes change in season. Earth also rotates on its axis and completes one rotation in 24 hours.



Earth



Globe

Globe

Have you ever seen a globe? It depicts the Earth because it is shaped like the Earth. Therefore, it is called the model of the Earth.

Summery

- + Universe consists of the stars and planets along with other heavenly bodies.
- + Sun rises in the morning and sets in the evening.
- + The Moon is the Earth's natural satellite.
- + Stars are several times bigger than the Sun.
- + Globe is called the model of the Earth.

Excercise

A. Tick (✓) the correct option.

- a. Sun is a ball of
hot gases cold gases hot water
- b. The Earth's natural satellite is
Sun Moon Earth
- c. Stars have
no light their own light weight

B. Fill in the blanks.

- a. Stars have their own _____.
- b. Sun is a ball of _____ gases.
- c. Globe is a _____ of Earth.
- d. Moon takes _____ days to revolve round the Earth.

C. Match the columns.

- | | |
|---------------|---------------|
| a. Revolution | (i) Satellite |
| b. Earth | (ii) Star |
| c. Moon | (iii) Planet |
| d. Sun | (iv) Season |

D. Write true and false.

- a. Earth is made up of rocks.
- b. The Moon takes 365 days to revolve round the Earth.
- c. The Sun is the Earth's natural satellite.
- d. The time after sunset is the night time.

E. Answer the following questions.

- a. What is Moon?

- b. Why do we call Earth a blue planet?

- c. What causes seasons?

- d. What causes day and night?

1. Draw pictures of Earth, Moon and Sun and colour them.
2. Observe the stars at night and see their locations with the help of telescope.



LEARNING OBJECTIVE

- Earth is called blue planet
- Different land forms
- Different water forms

Earth is Called Blue Planet

Earth is the planet on which we live. It is round in shape like a ball. From space, it looks blue in colour. It is called the **Blue Planet**. It is because more than two-third of Earth is covered with water.



Earth

infobits

Earth Day is celebrated on 22nd April every year.

Only one-third is land. There is air around the Earth, which we all breathe. It is called the **atmosphere**. Land is not the same everywhere. It has different forms.



Plains

Different Land Forms Plains

The low level land is called a plain. We grow crops, fruits and vegetables on it. Mostly people live in plains.



Hills and Mountains

Land that rises up with steep sides and is shaped like a triangle is called a hill. Big hills are called mountains. Some mountain tips are covered with snow. The weather is cold on the mountains.

TEACHER'S NOTES

Talk about different amazing facts about Earth. Allow learners to have an open discussion on the Earth.

Desert

An area of land that is covered with sand is called a desert. Because of excessive heat and excessive cold very few people live in deserts.



Desert



Forest

Forest

An area of land covered with trees, bushes and plants are called forests.

Plateau

The flat land situated at the top of a hill is called a plateau. It is also called a tableland.



Plateau

Valley

Low lying land between two hills or mountains is called a valley.



Valley



Let Me Answer

1. Have you visited a hilly region?
2. What is the temperature of the cities near beaches?

Different Water Forms

Water on the Earth



River

Water is present in seas, oceans, rivers, lakes and ponds.

River

A channel carrying a large amount of water is called a river.



Sea

Sea

A large water body is called a sea. It contains salty water.

Ocean

An ocean is larger than a sea. It also contains salty water.

Lake

A lake is a water body surrounded by land on all the sides.



Ocean



Lake

Earth is our home. We should try to keep it neat and clean.

Summery

- + Earth is the planet on which we live.
- + It is called the Blue Planet.
- + Different land forms on the Earth are plains, hills, mountains, desert, forests, plateaus and valleys.
- + Different water forms on the Earth are seas, rivers, lakes, oceans etc.

Excercise

A. Tick (✓) the correct option.

- a. Earth is called the _____ planet.
- Blue Red Green
- b. Planet are _____.
- low lands highlands None of these

c. _____ are covered with sand.

Mountans



Deserts



Hills



B. Answer the following questions.

a. Why is Earth called the Blue Planet?

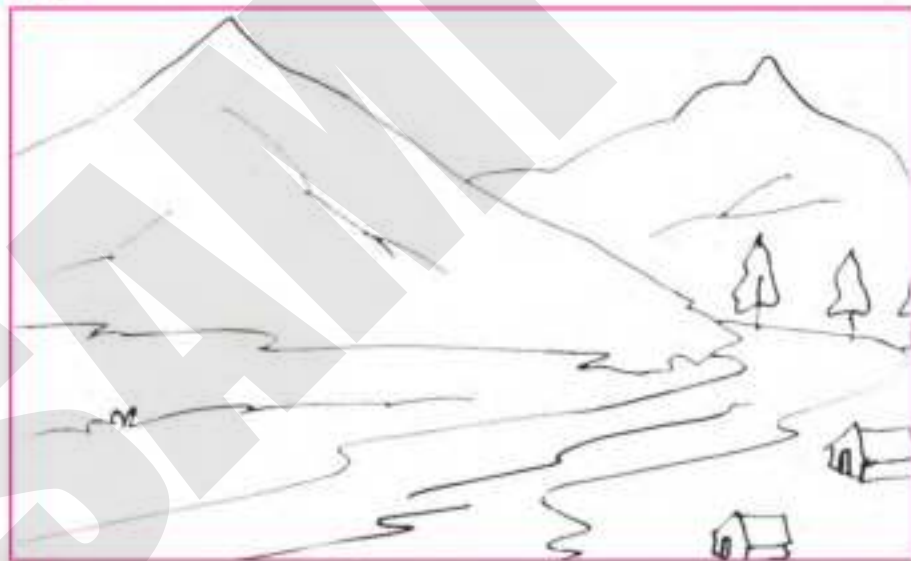
2. What are plains?

3. What is a plateau?

4. What is a valley?

5. What is a river?

A. Colour this picture.



B. Name these land forms.



1. _____



2. _____



3. _____



4. _____

Revision Test Paper-I

(Based on Chapters 11 to 14)

A. Tick (✓) the correct option.

a. Which of these means is used to send e-mail?

Telephone

Computer

Magazine

b. are covered with sand.

Mountains

Deserts

Hills

B. Fill in the blanks.

a. Camels are used in areas.

b. Sun is a ball of gases.

c. The act of sending and receiving messages is known as

C. Match the following.

a. Cow

(i) Cub

b. Horse

(ii) Lamb

c. Lion

(iii) Colt

d. Sheep

(iv) Calf

D. Answer the following questions.

a. What is Earth called the Blue planet?

b. What do you understand by means of land transport?

c. What causes day and night?

Modal Test Paper-I

(Based on Chapters 9 to 14)

A. Tick (✓) the correct option.

a. Who sells medicines?

Green Grocer

Chemist

Plumber

b. Which festival is known as Vijay Dashmi?

Holi

Pongal

Dussehra

c. Which of these is a means of slow transport?

Aeroplane

Train

Horse Cart

B. Fill in the blanks.

a. is the fastest means of transport.

b. Globe is a of Earth.

c. phone can be carried anywhere.

C. Match the following.

a. Revolution (i) Satellite

b. Earth (ii) Star

c. Moon (iii) Planet

d. Sun (iv) Season

D. Answer the following questions.

a. Name three national festivals.

b. What causes seasons?

c. What is a Plateau?

E. Can you rearrange the letters to name these people?



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A. Write the name of correct mode of transport which you will use for the following.

a. You have to go to your school.



b. You are shifting your residence.



c. You are going on a trip from Mumbai to Goa.



d. You are going to visit a village where there is a river in between.

