



Orchid



# Environmental Studies

3



## ANSWER KEY

Earthda  
Sae Noise  
Water Pollution





**Start-up :-** 1. Kitchen 2. Bathroom 3. Bedroom

**Try this :-** 1. Vacuum cleaner 2. Cleaning Brush 3. Moop  
4. Bucket and Mug 5. Dustpan 6. Broom

**Test Your Skills :-**

**A** Fill in the blanks with the correct options given below in the box.

1. Kitchen 2. Bedroom 3. Clean 4. Rooms 5. Houseflies, rats

**B** Answer the following questions.

- The house in which we live with our family is called home.
- Things we use to clean our home are : Moop, Vacuum cleaner, Broom, dustbin, Dust cloth, Mug and Bucket.
- We should keep our home clean because by doing so we can be free from germs and bacteria and other diseases.
- A good home should allow sunlight to come in and let the stale air out.
- We have wire netting on windows and doors to keep away flies and mosquitoes.
- Pets are usually found in our home like; dog, cat, rabbits. Other than these pets we can also see rats, lizards, houseflies in our home.

**C** Find the names of animals found in our home.

A	N	T	P	S	L	M	B	R
C	O	C	K	R	O	A	C	H
A	Q	R	A	T	S	T	O	S
H	O	U	S	E	F	L	Y	B
A	C	L	I	Z	A	R	D	D
M	O	S	Q	U	I	T	O	F

**D** Match the following things with their rooms.

1. (b), 2. (c), 3. (d), 4. (a)

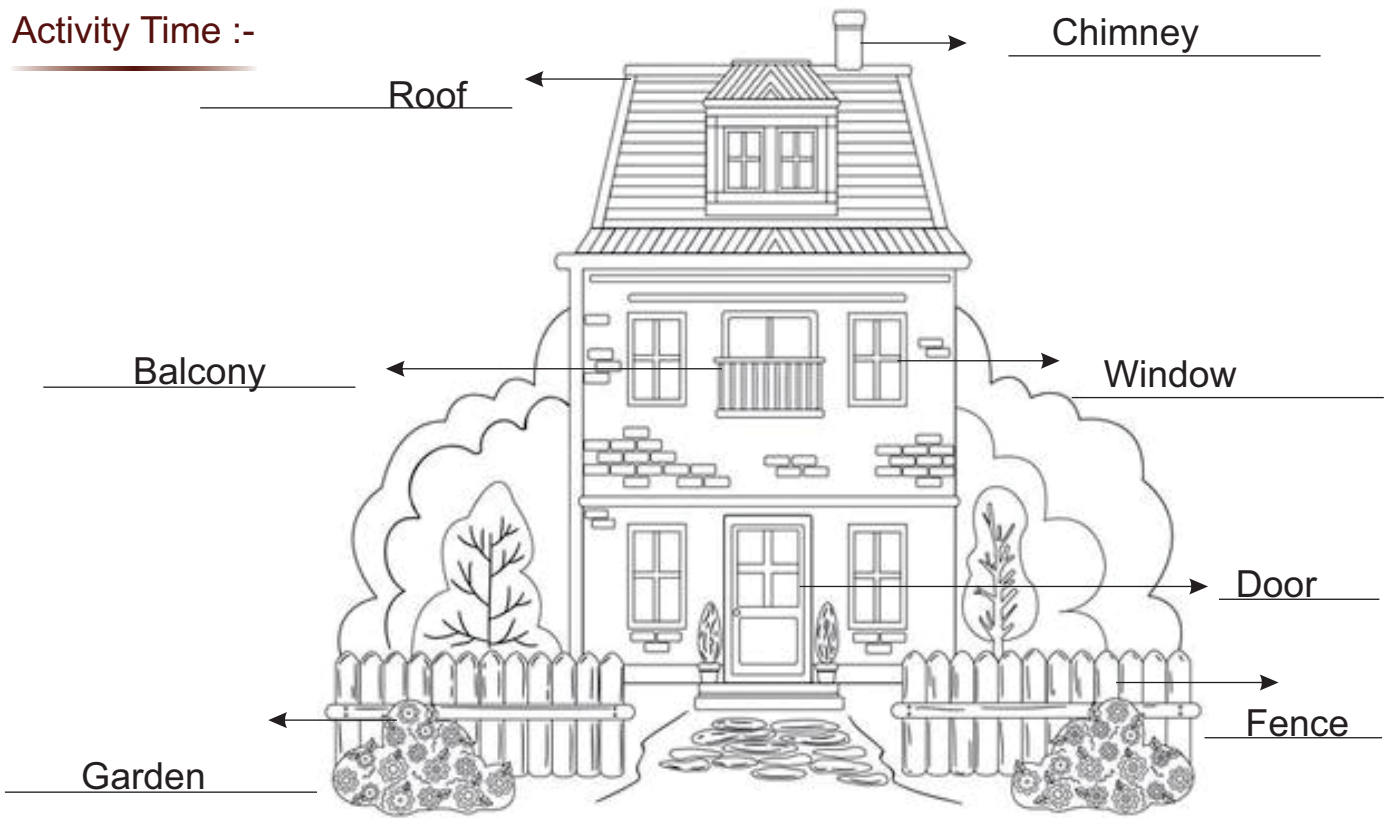
**Life Skill :-**

In absence of your mother, it is your responsibility to look after your house. You may take care of house, clean your room before your mother come back. Eat your food on time and avoid creating a mess here and there. Help your small brother or sister.

**Value Based Question :-** Do yourself



Activity Time :-



## 2

## LEARNING WITH MY FAMILY



Start-up :- 1. Help, 2. Do yourself, 3. Do yourself, 4. Cousin

Try this ! :- Grandmother, maternal grand father, uncle, mother, maternal aunt, cousin sister, cousin brother, cousin brother, cousin sister

Test Your Skills :-

**A**

**Circle the odd ones. Also discuss the reason for your answer.**

1. House      2. Traditions      3. Plants      4. Animal

**B**

**Answer the following questions.**

- In a joint family there are grandparents, parents, uncle aunt, cousin but In a Nuclear family there are only parents and their one or two children.
- Single-parents family is where children live with only one parent.
- We learn many things from our family members, which includes :
  - How to clean house
  - To water plants in garden
  - To help each other and to take care.
  - To buy things from market.
- Sometime two babies are born at the same time to the same mother. Also they may look alike. They are called twins.



5. Ways to take care of elderly people :
- Spend time with them.
  - Respect them and take care
  - If they are living alone then call or visit them often.
  - Encourage them to be physically active.

**C** Look at the following pictures. What are these children doing ?

- Kid helping his father in cleaning car.
- Kid helping her mother in washing utensils.
- Kid watering plants.

**D** Match the following things with their rooms.

- T,      2. F,      3. F,      4. T

**Activity Time :-** Do yourself

**Life Skills :-**

When we are happy or sad we should share our feeling with our family members. Mostly we share our feelings either with mother or father, grand parents and our brother or sister. By sharing our feelings; we can create a bond between each other. It is important to share feelings.

**Value Based Question :-**

There are ways to help our mother while shopping :

- Be calm and silent
- Be helpful, hold her shopping bags.
- Help her in shopping, choose things wisely.

Also, we learn how to do shopping, how to buy things, how to manage money, Different things are bought from different shops.

## 3

## KEEPING HEALTHY AND FIT



**Start-up :-** 1. (X),      2. (X),      3. (X),      4. (✓)

**Try this ! :-** 1. (a),      2. (a)

**Test Your Skills :-**

**A** Fill in the blanks. Take help of the box.

- Germ
- Hair
- Walking, jogging
- Diet
- Fixed



**B****Answer the following questions.**

- The conditions or practices that help to maintain health are called hygiene. Cereals, pulses, green vegetables, fruits and milk should always be part of our daily food. This type of diet is called a balanced diet.
- Ways to keep ourselves clean and healthy are :
  - Take bath everyday.
  - Brush or comb your hair everyday.
  - Wash your hands before and after eating and also after using the toilet.
- Benefits of doing exercise everyday are :-
  - Exercise keeps our body fit.
  - Exercise keeps us strong and healthy.
  - Exercise boost our energy level.
- Healthy eating habits are :-
  - We must drink six to eight glasses of water everyday.
  - We must have our meals at fixed times everyday.
  - We should not eat uncovered or stale food.
- For better sleep one should follow this routine :
  - We must sleep for at least eight to ten hours everyday.
  - We must wake up early and go to sleep early.

**C**

**Look at the picture and write Yes or No.** 1. No, 2. No, 3. Yes, 4. Yes

**D**

**Circle the odd one out.** 1. Watching T.V., 2. Dancing, 3. Chips.

**Activity Time :-**

C	L	E	A	N	P	A	B
F	I	T	D	F	O	R	R
E	X	E	R	C	I	S	E
W	A	S	H	Q	D	L	S
H	Y	G	I	E	N	E	T
C	B	R	U	S	H	E	F
B	A	T	H	M	N	P	H

**Life Skills :-**

- Prevent the spread of germs and bacteria, that can make us sick.
- To keep yourself healthy and germ free.
- To keep infection and other disease away.

**Value Based Question :-**

We learn from Manisha that we should love and respect our grandparents and we should carefully listen what our grandparents teaching us.





**Start-up :-** 1. (✓), 2. (X), 3. (✓), 4. (X)

**Try this :-** 1. Dumb 2. Blind 3. Sick

**Test Your Skills :-**

**A** Choose the correct option for the following.

1. (a), 2. (b), 3. (a), 4. (a)

**B** Answer the following questions.

1. People who cannot hear properly are called deaf.
2. We should take care of the sick people. These are the following ways ;
  - i) They should be given healthy food and medicines on time.
  - ii) We should not make noise around them.
  - iii) We should spend some time with them and try to keep them happy.
3. We can help children at orphanage in many ways :
  - i) We can provide food, clothing, shelter to children.
  - ii) We can provide education to make them successful in life.
  - iii) We can donate books, toys, stationery items, shoes, clothes to orphanages.
4. Some people who are blind or visually impaired and some can not hear are deaf. Some people cannot speak, are dumb. All these people are differently abled or special people.
5. Braille language or script was developed by Louis Braille.

**C** Fill in the blanks with the correct words from the box.

1. braille, 2. sign, 3. orphans, 4. mentally, 5. sick

**Activity Time :-** (A) a. (✓), b. (X), c. (X), d. (✓), e. (✓)

(B) Do yourself

**Life Skills :-** Do yourself

**Value Based Question :-**

1. Things we can do to help orphans are :
  - i) We can donate clothes, toys, stationery items, shoes, books to children.
  - ii) We can provide education to children.
2. Things you can do to help differently challenged children in your city :
  - i) Make them feel confident.
  - ii) Believe in and treat them as individuals.
  - iii) Help them with medical support and other things they need.





**Start-up :-** 1. Pulses, 2. Butter, 3. Fruits and Vegetables

**Try this ! :-** 1. Pressure Cooker, 2. Oven 3. Paneer tikka

**Test Your Skills :-**

**A** Circle the odd ones. Give the reasons for your answer.

1. Rice : because all other are deep frying food items and rice is cooked in boiling water.
2. Cooling : because all other are cooking method and cooling is preserving method.
3. Fish : because all other are vegetables.
4. Pulses : because all other are fruits.

**B** Answer the following questions.

1. We cook food because it makes the food soft, tasty, easy to chew and digest. Cooking also kills the germs in the food.
2. Different methods of cooking food :
  - i) Boiling : cooking the food in boiling water.
  - ii) Deep frying : cooking puris by deep frying.
  - iii) Shallow frying : parathas are cooked by shallow frying.
  - iv) Roasting : Cooking food in on open pan or directly on fire.
3. Two raw food item : cucumber and carrot.  
Two cooked food items : rice and pulses
4. We can avoid wastage of food by keeping it in a refrigerator.
5. Pressure cooker, Rolling pin, Mixing bowls and pan these are names of few cooking utensils.

**C** Tick (✓) the correct option.

1. (b), 2. (a), 3. (a)

**D** Fill in the blanks. Take help of the box.

1. germs, 2. boiling, 3. baking, 4. raw, 5. popcorn

**Life Skills :-** We wash fruits and vegetable before eating or cooking them to remove dirt, bacteria and other germs as they may enter the body and can cause serious health problems.

**Value Based Question :-**

Wasting food is not good. We can stop wastage of food by following methods:

- i) Eat your leftovers.
- ii) Avoid buying in bulk.
- iii) Cook limited food
- iv) If you can't eat it, give it to someone who can.





**Start-up :-** 1. Permanent, 2. Temporary, 3. Temporary, 4. Permanent

**Try this ! :-** • In House (1) because it is neat and clean • House (2) is untidy and dirty.

**Test Your Skills :-**

**A Match the following.**

1. (c), 2. (d), 3. (e), 4. (b), 5. (a)

**B Answer the following questions.**

- We need a house to protect ourselves from heat, cold, rain, wild animals and thieves. Also house makes us feel comfortable and safe.
- We need windows and doors for proper ventilation, allows plenty of sunlight and fresh air to come in.
- An ideal house is :-
  - Well - ventilated house that allows plenty of sunlight and fresh air to come in.
  - Where things are kept in proper places and is well - decorated.
  - Is kept clean and free of insects by using wire netting on doors and windows.

4.	Kutchra House	Pucca House
	i) House made up of wood, bamboo, mud, straw and branches. ii) These houses are not very strong and can easily be damaged. iii) Mostly found in villages. iv) For example : Hut	i) House made up of bricks and stones. ii) These houses are very strong and are properly planned. iii) Mostly found in big cities. iv) For examples : Bungalow

- Different houses are found in different regions :
  - House boats :- found in Kashmir.
  - Igloo : found in very cold regions.
  - Stilt house : found in Assam.
  - Houses in hilly areas : found in Manali.

**C State whether the following statements are True or False.**

1. F, 2. T, 3. F, 4. T,

**D Circle the odd one also give reason for your answer.**

- Houseboat : Floats on water and other two on land.
- Hut : As it is a Kutchra house and other two are Pucca houses.
- Igloo : As it is found in a very cold region and made up of snow, other two are made up of wood.



**Activity Time :-** Do yourself

**Life Skills :-** No, it is not right to make fun of someone who lives in a kutchha house, as it is locally available, is inexpensive and are often home to economically disadvantaged communities.

**Value Based Question :-**

We can make our house an 'Ideal house' by following methods :-

- i) Keeping it clean and well - decorated.
- ii) By maintaining garden.
- iii) Drainage system should be checked regularly.
- iv) Should be well-ventilated that allows plenty of sunlight.

## 7

# WATER IS PRECIOUS



**Start-up :-** 1. Washing clothes, 2. Mopping the floor, 3. Drinking water, 4. Watering plants

**Try this ! :-** a) It will be freezed and turn into ice.  
b) If we continue boiling the water for long time water will be converted to steam.

**Test Your Skills :-**

**A Answer Quickly.**

1. Rainwater, 2. Water, 3. Potable water, 4. Lake

**B Answer the following questions.**

1. Three-fourth of the earth's surface is covered with water and remaining one fourth is land. That is why the earth is called a blue planet.

2. Rainwater harvesting means collecting rainwater and storing it in a tanks for later use. Rainwater can be store in tanks, drums, buckets, to use later.

3. We can save water by following ways :-

- i) Close taps after using them.
- ii) Get leaking taps repaired.
- iii) Use a bucket and a mug to have a bath rather than a shower.

For example : We can reuse water for washing clothes or to water plants.

We can reuse water to clean the floors of the house.

4. We can keep water clean by following ways :

- i) By not allowing drainage water or factory waste to flow into a river.
- ii) Educating people about the importance of clean water and stop them from polluting water.
- iii) By not throwing garbage and leftovers in a river or ponds.

5. Some rainwater seeps into the ground and collect there. It is called ground water.



**C** Fill in the blanks. Take help of the box.

1. Dirty, 2. Blue, 3. Rainwater, 4. Under ground water, 5. Boiling,

**D** Look at the picture and see how people make the water dirty. Colour the picture. Add vowels to complete the sentence.

1. DIRTY WATER MAKES US SICK.

**Activity Time :-** (A) When we pour dirty water through filter paper with help of one soil particles will collect and water will be filtered. We can use it for drinking or any other purposes. Later we can boil that water and can drink.

(B) Do yourself

**Life Skills :-**

Yes, he is doing the right thing as we all know water is precious and we should not waste it. We can reuse water like he did he had water the plants we can also do some and can save water.

**Value Based Question :-** Try yourself.

## 8

## WORK WE DO



**Start-up :-** 1. Carpenter, 2. Plumber, 3. Cobbler, 4. Farmer

- Try this :-**
- i) Milkman - deliver milk.
  - ii) Gardeners - maintain our garden and take care of our plants.
  - iii) Maids and servants - clean house
  - iv) Mechanic - repair cars and scooters.
  - v) Doctor - treat us when we are ill or sick.

All these people in our neighbourhood help us in different ways for different work. They do important jobs like keeping us safe, healthy and happy.

**Test Your Skills :-**

**A** Fill in the blanks. Take help of the box.

1. Farmer, 2. Wood, 3. education,  
4. respected, 5. money

**B** Answer the following questions.

1. We all need money to take care of our families. People do different kinds of work to earn money, it is called occupation.
2. As a children, it is our responsibility to help our family members :-
  - i) We should help each other in household work.
  - ii) Help your mother in laying the dinner table.
  - iii) Help your grandparents, take care of them.



- iv) Help your parents by getting things from the market.
  - v) Help your father in washing car.
3. We can prevent child labour by following ways : -
- i) Educating people about the impact of child labour on children's mental and physical health.
  - ii) Make people understand how child labour can affect their future.
  - iii) To prevent it, you may associate with an NGO or on organisation working in this field.
  - iv) You can create an environment that fosters learning for street children, in your neighbourhood.
4. United Nation Children's Fund (UNICEF) and Child Rights and You (CRY) are two organisation that look after the rights of children in the world.
5. Children who are between 5 to 14 years of age and come from poor families and do not go to school and are forced to work in factories or farm to earn money. This is called as child labour child labour harms the physical and mental growth of a child.

**C**

**Circle the odd ones. Gives reason for your answer.**

1. Plumber : because all other occupation is related to education field.
2. Bank : because all other are occupation and bank is a financial institution.
3. Market : because all other are occupation market is a place to buy things.

**D**

**Match the following with their tools.**

1. (e),      2. (c),      3. (b),      4. (a),      5. (d).

**Activity Time :-** (A) Try yourself      (B) Do yourself

**Life Skills :-** No, helping your parents and grandparents at home will not be considered as child labour because house hold work is light work until it does not harm child health, safety or school attendance.

**Value Based Question :-**

There are many ways to show that we appreciate our helpers or their work/help :

1. We can give them a thank you gift.
2. Saying. "Thank you" for their help.
3. Providing them meal or clothes or any other things they need.
4. Returning the favour by offering to help with something they need.

**9**

## GAMES WE PLAY



**Start-up :-** 1. Cricket,      2. Badminton,      3. Chess      4. Football

**Try this :-** 1. (b),      2. (c),      3. (a)

**Test Your Skills :-**



**A** **Name these.** 1. Cricket, Football, 2. Badminton, Chess, 3. River crafting, wind surfing

**B** **Answer the following questions.**

1. Spending time out of the routine is called recreation. We can refresh our body and mind both.
2. When we follow some routine everyday we have no time to enjoy and our mind become dull. It is important to play games, it makes us more active and keep our body fit.
3. River Rafting, Scuba Diving and wind surfing are adventure sports or games.
4. In game of football a goalkeeper is responsible for stopping the opposing team for scoring a goal.
5. i) Indoor Game :  
Chess : 1. it is a game of skill played between two persons.  
2. In chess player has army of 16 chess man including the queen and the king.
- ii) Outdoor Game  
Hockey : 1. This game is played in the rectangular field.  
2. Two teams of 11 players each play the game.

**C** **Circle the odd ones. Gives the reason for your answer.**

1. Cricket : because rest two are indoor games It is outdoor game.
2. Ludo : because other two are outdoor game and it is indoor game.
3. Reading : Other two are games and reading is a hobby.

**D** **Write the number of players in each team in the following games you can take help of internet.**

1. 11 Players on each team
2. 6 Players on each team
3. 2 Players each team
4. 11 Players each team, one goalkeeper.

**Activity Time :-** 1. Serena williams, 2. Football, 3. Cricket, 4. Mithali Raj  
(B) Do yourself

**Life Skills :-** We should equal importance to sports in our life as, sports bring discipline in life. It teaches the way of sitting, talking, walking. It keeps our body active, fit and slim.  
Also sports improve thinking ability and reduce the stress of the mind.

**Value Based Question :-**

We can eliminate cheating in game by following ways :

- i) Encourage children to feel good about trying their best rather than winning.
- ii) Learn how cheating affects them and people around them.
- iii) Tell yourself and your friends how cheating might stop you from getting better at the game.



**Start-up :-** 1. Diwali, 2. Dussehra, 3. Christmas 4. Eid

**Try this ! :-** Yes, festivals bring people of different religions closer to each other and cultivates a sense of unity among people. Through festivals people share their experience, engage in collective activities.

**Test Your Skills :-**

**A** **Fill in the blanks.**

1. Guru Granth Sahib, 2. Sewain, 3. Tamil Nadu, 4. Jesus Christ, 5. 1947

**B** **Answer the following questions.**

1. Dussehra is also called Vijay Dashmi. This festival marks the victory of good over evil. Lord Rama killed the demon king Ravana and on the tenth day of Durga Puja effigies of Ravana are burnt every year.
2. Republic Day parade consists of armed forces, police, folk dancers, school children and colourful tableaux from different states are the main attraction of the parade.
3. We celebrate teacher's day on 5th September. It is the birthday of Dr. S. Radhakrishnan (Second President of India).
4. On Gandhi Jayanti every year a function is held at Raj Ghat in Delhi, On this day we remember 'Our Father of Nation'.
5. We celebrate harvest festival at time when the crops are ready for cutting and harvesting farmers thank God for good harvest.

**C** **Circle the odd ones. Give the reason for your answer.**

1. Holi : because it is a religious festival and other two are national festivals.
2. Gandhi Jayanti : As it is a national festival and other two are religious festivals.
3. Onam : as it is a harvest festival and other two are Birthday celebrations.

**D** **Match the following.** 1, (e), 2. (d), 3. (b), 4. (c), 5. (a)

**Activity Time :-** Do yourself A & B.

**Life Skills :-** Festivals are all about get - together family, friends and neighborhoods of every religion come together and celebrate each festival with enthusiasm and respect. Festivals teach us about unity, our culture, importance of family bonds and value of sharing joy and happiness with others.

**Value Based Question :-** Do yourself



**Start-up :-** 1. Clay Pot (Matka), 2. Bowl, 3. Clay toys,



Try this ! :- 1. Pottery, 2. Water, 3. Earthen pot, Earthen diyas

Test Your Skills :-

**A** Tick (✓) the correct option for the following.

1. (a), 2. (a), 3. (c), 4. (a)

**B** Answer the following questions.

- The art of making earthen pots with the use of clay is known as pottery.
- i) Surahi and Matka (earthen pots) are used to store water in summers.  
ii) Earthen diyas are made from clay or mud.
- Steps to make clay pot :-  
i) First a ball of clay is wedged and pressed to form a pot.  
ii) Then clay is put on wheel and turned round. Mix little water to keep the clay flexible and to prevent it from cracking.  
iii) Then clay is mould into a pot on potter's wheel.  
iv) Then clay piece is allowed to dry in air and sunlight till it is hard and dry.  
v) After drying, the pot is baked in a kiln to make it strong.
- i) A pinch pot : Clay is taken and is pinched between the thumb and fingers to give it a shape.  
ii) A coiled pot : Coils are made and formed into rings and placed one on a top of the other to form a pot.
- i) A musical instrument called ghatam is made of clay pot.  
ii) Ocarina is a musical instrument made up of clay.

**C** Circle the odd ones. Gives the reason for your answer.

- Steel glass : As other two are made up of clay and it is made from steel.
- Wood : As other two are used in pottery process but wood is not used.
- Rain : As other two are part of pottery but rain is not.

**D** Match the following pottery items to their respective names.

1. (e), 2. (a), 3. (d), 4. (b), 5. (c)

Activity Time :- (A) Do yourself

(B) The process of making pinch pot is :-

- Knead the clay for about a minute to align the particles.
- Roll the clay into a ball that's about the size of a plum.
- Gently pinch the walls of the pot between your thumb and forefinger, starting from the bottom.
- Cover the finished pot with a hand towel and let it dry for few hours.
- Let the pot dry completely, then harden it and decorate it with paint.

Life Skills :- Yes, we should respect everyone's work because no work, is truly small and everyone deserves recognition and appreciation for their efforts.

Value Based Question :-



No, we should not bargain with these local potters because their profit margins are often very small and their daily income is also very low. Lowering the price could negatively impact their livelihood.

## 12

# MOVING FROM PLACE TO PEOPLE



**Start-up :-** 1. Air, 2. Water, 3. Land 4. Land

**Try this ! :-** Some special modes of transport are :- Ambulance, Fire brigade, Police jeep.

**Test Your Skills :-**

**A** Fill in the blanks.

1. F, 2. F, 3. T, 4. F, 5. T

**B** Answer the following questions.

1. The movement of people and goods from one place to another by mean of a vehicles like train, bus, air craft is called transportation.  
Three modes of transport are :- Land, Air and Water.
2. Means of transport are useful to us in many ways :-
  - i) Moving from one place to another.
  - ii) Travelling and carrying goods from one place to another.
  - iii) Helpful in business purposes.
3. Camels are called the “Ship of the desert” because they are well - adapted to the harsh conditions of the desert and are the primary means of transportation.
4. Now a days we can see many types of trains like Rajdhani Express, Vande Bharat, Metro train, Shatabdi Express, and Trams.
5. Advantages of Air transport are :-
  - i) It is the fastest mode of transoprtation.
  - ii) Air transport can reach anywhere (remote location) such as islands, disaster areas.
  - iii) Air transport can carry people, meal or lightweight goods to distant place in the shortest time.

**C** Circle the odd ones. Gives the reason for your answer.

1. Ship : as other two are land transport and it is water transport.
2. Aeroplane : as other two are water transport and it is air transport.
3. Tonga : as it is pulled by animal.
4. Bus : as it is land transport and other two are air transport.

**D** Match the following. 1. (d), 2. (a), 3. (b), 4. (c)

**E** Give one word answer.

- 1, Cargo ships,
2. Sledges,
3. Railways,
4. Kolkata



**Activity Time :-** Do yourself

**Life Skills :-** Yes, means of transport help us to travel faster but we should not use them for short distance because it already makes a lot of pollution while traveling longer distance and if we are traveling short distance we can use bicycles or we can walk to that place.

**Value Based Question :-** No, it is not fair to use animals for such tasks because in today's life there are many transports to carry heavy loads. We should reduce their burden as animals can suffer from over work, inadequate care or poor living conditions.

# 13

## MEANS OF COMMUNICATION



**Start-up :-** 1. Newspaper & Magazines, 2. Telephone, 3. Radio, 4. Letters

**Try this :-** Yes, animals do communicate with each other using Signals, Which include Visual or Sound, touch - based. Different animals make different sounds.

**Test Your Skills :-**

**A** Fill in the blanks.

1. Audio - Visual, 2. Fax, 3. Television, 4. Newspaper, 5. Communication

**B** Answer the following questions.

1. When we speak, write of use signs and sound to share ideas and in formation with each other this process is known as communication.
2. In early time people used to communicate by sending smoke signals or pigeons with messages or men were sent on foot or an horses to deliver messages.
3. Mass communication is the way of communication to large number of people at the same time. Television, Newspaper and Radio are means of mass communication.
4. Radio was invented by Guglielmo Marconi and Television was invented by John Logie Baird.

5. ISD

- i) ISD Stand for International Subscriber Dialing
- ii) When we can make calls in other countries.

STD

- i) STD Stands for Subscriber Trunks Dialing.
- ii) When we make call in far off cities in same country.

**C** Circle the odd ones. Give the reason for your answer.

1. Letter : because other two are fastest means of communication.
2. Courier : because it the service that delivers packages.



3. Email : because other two are means of mass communication.
4. Mobile Phone : because other two are old means of communication.
5. Cinema hall : because it is means of mass communication.

**D Match the following.** 1. (b), 2. (d), 3. (e), 4. (a), 5. (c)

**Activity Time :-** Do yourself

**Life Skills :-** Yes, means of communication helps to stay in touch with people across the world. As regular communication fosters trust and maintains social connections among all, it can reduce the feeling of isolation or stress and can positively impact mental health.

**Value Based Question :-**

1. Smartphone
2. Written note or application.
3. Television, radio, smartphone and newspaper.
4. Internet, smartphone, computer.

## 14

## LOCATING A PLACE



**Start-up :-** Fire Station, Police station, Movie theater, Hospital, café, Restaurant.

**Try this ! :-** The states of Assam, Meghalaya, Mizoram known as north - eastern states because they were recognized as such during the British raj in 19th century and also they are located above the tropic of cancer.

**Test Your Skills :-**

**A Tick (✓) the correct answers.**

1. (a), 2. (c), 3. (c), 4. (b), 5. (d)

**B Answer the following questions.**

1. A compass is used to tell directions. The compass needle always points in North - South directions
2. A map is a drawing of a place. It shows different places; things and directions around us.
3. Pictures that represent various places can be drawn on the sketch. They are called symbols.
4. A sketch is a rough map of a place and atlas is a book of maps.
5. A landmark is a sketch of a place or thing that can easily recognize. Landmarks help us in locating places easily through pictures.

**C Find the words discussed in the chapter.**



M	A	D	N	O	R	T	F	W
A	B	S	O	U	T	H	G	E
P	S	K	E	T	C	H	I	S
R	C	O	M	P	A	S	S	T
A	L	A	N	D	M	A	R	K
L	S	Y	M	B	O	L	S	Q
D	I	R	E	C	T	I	O	N

**D** Unscramble the words. 1. NORTH, 2. WEST, 3. SKETCH, 4. SOUTH

**Activity Time :-** (A) Do yourself (B) Do yourself

**Life Skills :-** Yes, boundaries are important. No, we can not live in peace on earth without boundaries because it define the limit of a nation or a property.

**Value Based Question :-**

If someone will throw garbage in the park or hospital, we should ask him/her to pick it and throw in dustbin or we can pick ourselves and throw waste in bin and ask them to stop this. As garbage or waste can make our neighbourhood dirty and unhygenic.

## 15

## PLANTS AROUND US



**Start-up :-** 1. Roots, 2. Flowers, 3. Leaves, 4. Stems

**Try this ! :-** 1. Cactus, 2. Lotus, 3. Pine tree

**Test Your Skills :-**

**A** Identify and write the names of the pictures in the space provide.

1. Pitcher plant, 2. Lily, 3. Cactus, 4. Watermelon, 5. Pine tree, 6. Cotton

**B** Answer the following questions.

- Non - green plants are those that do not contain chlorophyll and are unable to make their own food.
- Uses of plants are :-
  - Plants like rose, jasmine are used to make perfumes.



- ii) Plants such as neem, tulsi, clove are used to make medicines.
- iii) Plant give us fibre for making clothes.
- iv) Teak, sheesham and mahogany are used to make furniture.

3. Climber

- i) Plants with weak stems that need some support to grow.
- ii) They get support from tree steam or a wall.
- iii) For example : pea, money plant.

Creeper

- i) Plants with very weak stems that grow along the ground.
- ii) They cannot stand due to weight of their leaves and fruits.
- iii) For examples : pumpkin, watermelon

4. Trees :- Mango tree and Peepal tree

Shrubs :- Rose plant and Jasmine

Herbs :- Mint and Grass

Insect - eating plant :- Pitcher plant and venus flytrap.

5. Plants like; Venus flytrap catches insects between its leaves and eat insects to get nutrition. These plant are called insectivorous.



**Solve the word puzzle with the help of clues. Who am I ?.**

M	U	S	H	R	O	O	M
A	Q	P	R	H	M	A	T
F	J	T	O	I	A	B	U
G	U	L	S	L	N	D	L
P	T	O	E	P	G	O	S
Q	E	B	D	N	O	L	I
M	I	N	T	Q	R	B	A
C	D	L	O	T	U	S	F



**Circle the odd ones and give the reason for your answer.**

- 1, Rose Plant : as it is a shrub and other two are trees.
- 2. Oak tree : as it is a tree and other two are herbs.
- 3. Cactus : as it is a desert plant and other two are aquatic plants.
- 4. Coconut : as it is a tree and other two are non - green plants.



**State whether the following are True or False.** 1, F, 2. F, 3. T, 4. F, 5. F

**Activity Time :-** Do yourself



## Life Skills :-

Trees are our green friends we should protect them by :

- i) Educate others about the importance of trees.
- ii) Reduce paper consumption.
- iii) Actively participate in tree - planting initiatives.
- iv) Conserve trees and forests in your area.

## Value Based Question :-

Yes, we all depend on forests but still allowing them to disappear. We can save forest by following methods :-

- i) Introduce afforestation programs to increase trees.
- ii) Take steps to control forest fires.
- iii) Use forest resources properly.
- iv) Involve local communities in forest conservation.

# 16

## ANIMALS AROUND US



Start-up :- 1. Land and water, 2. Tree, 3. Sky, 4. Tree, 5. Coop

Try this ! :- 1. Elephant, 2. Do yourself

## Test Your Skills :-

**A** Fill in the blanks. Take help of the box.

1. Omnivores, 2. reptiles, 3. flightless, 4. food, shelter, 5. carnivores

**B** Answer the following questions.

1. Two very big animals :- Elephant and Giraffes

Two small animals :- Dear and Monkey

2. Animals which depend on plants for food they are called herbivores. For example horse, goat and cow.

3. Carnivores

i) Animal that eat flesh of other animals.

ii) For example : Lions, crocodiles.

Omnivores

i) Animals that eat both plants and other animals.

ii) For examples : crow, bear.

4. Animal help us in many way :-

i) Animals like cow, goat, buffaloes give us milk.

ii) Hen and ducks provide us eggs.

iii) Fishes, prawns are eaten as sea food.



iv) We get honey and wax from beehives.

v) We get wool from sheep for making woollen clothes.

5. Reptiles : animals which creep and crawl on ground or walk and have scales or hard shells on their body.

Insects : very small animals which have four or six legs and have wings to fly.

Birds : have feathers and two legs. They have wings to fly in the sky.

**C**

**Match the following.**

1. (e), 2. (c), 3. (f), 4. (a), 5. (d), 6. (e)

**D**

**Try to find out the words that you have studied in the lesson from the word grid.**

D	O	M	E	S	T	I	C	L
P	B	D	F	R	O	G	S	M
L	I	Z	A	R	D	D	O	G
A	R	I	N	S	E	C	I	S
Q	D	M	I	L	K	C	O	W
M	O	V	E	M	E	N	T	S
H	E	B	I	V	O	R	E	S

**Activity Time :-**

Name of animal	Small / Big	Eating Habitat	Movement
Cat	Small	Omnivores	Walk
Dog	Small	Omnivores	Walk
Cow	Big	Herbivores	Walk
Bird	Small	Carnivores/ omnivores/ herbivores	Fly
Lizard	Very small	Carnivores	Crawl

(B) Do yourself

**Life Skills :-**

We can take care of street animals around us by following ways :-



- i) Provide food and water.
- ii) Provide them with shelter.
- iii) Raise awareness on taking care of stray dogs and cats.

**Value Based Question :-**

No, we can not truly blame wild animals like tigers or elephant for attacking villagers and destroying their home and field, as these animals feel threatened by human violation into their natural habitat. These animals are typically acting out of instinct to protect their territory and to find food.

17

## NATURAL RESOURCES AND POLLUTION



**Start-up :-** 1. Polluted Land, 2. Unpolluted/Green land

**Try this ! :-** 1. Water and soil are natural resources  
2. Steel and bricks are man-made resources.

**Test Your Skills :-**

**A**

**State whether the following are True or False.**

1. F, 2. T, 3. T, 4. F, 5. T

**B**

**Answer the following questions.**

1. Resources which are provided to us by nature like water, soil are called natural resources.
2. Resources which are made by man like bricks, clothes, table are called man-made resources.
3. Pollution is when harmful substances are introduced into the environment such as the air, water or land which cause undesirable effects.
4. The 3R's Stand for Reduce, Reuse and Recycle.
  - i) Reduce :- we should reduce the use of the natural resources.
  - ii) Reuse :- we should reuse the things.
  - iii) Recycle :- we should make use of the waste things into new things.
5. We can control pollution by following ways.
  - i) Stop bursting crackers as it may pollute the air.
  - ii) Do not waste water as it is precious.
  - iii) Do not throw waste as it is precious.
  - iv) Plant more trees as they keep air clean.
  - v) Say 'No' to plastic bags. Use paper cloth or jute bags.

**C**

**Match the following.** 1. (c), 2. (d), 3. (b), 4. (a)

**D**

**Circle the odd ones. Give reasons for your answer.**



1. Building :- as it is a man-made resource and other two are natural resources.
2. Air :- as it is a natural resource and other two are man-made resources.
3. Pollution :- because other two are part of the 3R's.
4. Land :- as other two are living beings.

**Activity Time :-** Do yourself

**Life Skills :-** We can get fresh air in a park but not in crowded market. When we go to the park, we are surrounded by trees, small plants and nature.

**Value Based Question :-** Their action was light as it is our responsibility to keep our surrounding clean. We should not throw garbage here and there.

18

## OUR UNIVERSE



**Start-up :-** 1. Earth    2. Moon    3. Sun

**Try this ! :-** Yes, there are many artificial satellites. Aryabhata, Bhaskara -1, Chandrayaan - 2, INSAT. Artificial Satellites orbit a planet, moon or sun and send information back to earth.

**Test Your Skills :-**

**A Define the following terms.**

1. The stars are the huge balls of hot burning gases.
2. Planets are heavenly bodies that revolve around the sun.
3. Moon looks different at different times, these varying appearances are phases of the moon.
4. Group of stars form patterns that look like the shape of animals, people or different objects in the sky.
5. Heavenly body that moves around a planet.

**B Answer the following questions.**

1. Universe was born billions of years ago out of a huge explosion called the big bang. Due to the explosion things were very hot and dense after they began to cool down and grow bigger and heavenly bodies were formed and this is how the universe was born.
2. A satellite is an object in space that orbits or circles around a planet and a planet is a heavenly body that orbits a star.
3. A Milky Way is the galaxy with a massive collection of stars, gas and dust.
4. A satellite is anything that orbits a planet or a star. Moon is Earth's only natural satellite.
5. A very bright star that twinkles in the northern part of the night sky is the Pole star. It is also known as North star. It helps travellers especially sailors to find north direction.

**C Fill in the blanks. Take help of the box.**

1. Milky way
2. Universe
3. Moon
4. Star
5. Galaxy.





Try to find out the words discussed in the lesson from the given word grid.

D	M	M	O	R	I	O	N	L
S	O	A	P	S	T	A	R	S
U	O	R	O	O	R	B	I	T
N	N	S	L	E	A	R	T	H
A	L	G	A	L	A	X	Y	E
N	O	R	T	H	S	T	A	R
V	E	N	U	S	M	O	O	N
P	L	A	N	E	T	S	R	V

**Activity Time :-** Do yourself

**Life Skills :-** People weigh less on the moon than on earth because the moon has significantly less mass than earth, resulting in a weaker gravitational pull.

**Value Based Question :-**

We can save our 'Earth' planet by following ways :

- i) Conserve water
- ii) (Reduce, Reuse, Recycle) follow these 3R's
- iii) Try to plant more trees in your surrounding.
- iv) Reduce use of plastic bags start using paper & Jute, bags.
- v) Natural resources should be used wisely.

