



Orchid



# Environmental Studies

2



## ANSWER KEY

Earthday  
Sae Noise  
Water Pollution





Start-up :- 1. Eye 2. Ear 3. Feet 4. Finger 5. Hand 6. Mouth

Try this :- We can smell the food from far away with the help of our nose, then we will be able to smell what is being cooked without looking at it.

Test Your Skills :-

**A** Identify which organ help you.

1. Lungs, 2. Legs, 3. Stomach, 4. Brain, 5. Nose, 6. Tongue

**B** Answer the following questions.

- The organs of our body which we can see and touch are called external organs. For example; Eyes, Ears, Nose and Hands.
- The organs of our body that we cannot see are called internal organs. They are inside or our body. for examples; Brain, Heart and Lungs.
- Brain controls all the sense organs and also help us to think and act. This is function of brain.
- Parts of our body that help us to feel the things around are called sense organs. We have five sense organs-eyes, ears, nose, tongue and skin.
- Food that we eat, goes inside our stomach, function of stomach is to digest food.

**C** Fill in the blanks.

1. Stomach 2. heart 3. Skin 4. Sweet, salty, sour and bitter 5. Smell

**D** Choose the correct option.

1. Sun rise, 2. music, 3. food, 4. hot & cold, 5. flower

Activity Time :- 1. Brain 2. Lungs 3. Heart 4. Stomach

Life Skill :- Priya should use her ears to be a good listener because ears help us to listen things which are going around us..

Value Based Question :-

No, Sagar is not right, as body shaming is wrong thing to do. We should not make fun of people for being overweight.



Start-up :-



Try this :- 1. Yes 2. No 3. Yes 4. Yes

Test Your Skills :-

**A** When we grow, some features of our body changes and some remain the same. Write 'change' or 'same' against each feature.

1. Same      2. Change      3. Same      4. Same      5. Change

**B** Answer the following questions.

- As a baby we can not :
  - Talk and walk as baby.
  - Write and read as a baby.
- As an older now we can do many things, like :
  - Now we can walk and eat by our own.
  - We can write and read by our own.
- All living things grow like; human beings, plants and animals.
- Do yourself
- Do yourself

**C** There are five words related to our growth hidden in this word search. Find out.

1. BABY      2. CHILD      3. YOUNG      4. ADULT      5. TALL

**D** Fill in the blanks by understanding the changes that has come in you by growing up with the help of words in the clue box.

1. baby,    2. talk,    3. look,    4. run.

Activity Time :- Try yourself

Life Skill :- When we grow our clothes, shoes and many other things become small and are not of our use we can offer these things to poor or needy people.

Value Based Question :-

Yes, we should respect and obey our parents as our parents are everything for us. We should show our love and care to our parents.

## 3

## MY FAMILY



Start-up :- Try yourself

Try this ! :-

- We should take good care of our pets. As pets are too like our family member. We should give good quality food and medication to our pets.
- Elder are generally greeted with a formal and respectful greeting. We can wish good morning with smile to our parents or grandparents.



## Test Your Skills :-

**A** Observe each picture and write how children are helping the family at home. One has been done for you.

1. Children helping their dad in gardening.
2. Boy/kid helping his mother in cleaning or washing clothes.
3. Girl taking care of her grandfather, while he is sick.

**B** Answer the following questions.

1. A family is a group of people who are related to each other. In a family there are grandparents, parents, uncles, aunts and children together make a family.
2. There are three types of family :
  - i) Nuclear family
  - ii) Big family
  - iii) Joint family
3. In a nuclear family there are parents and their one or two children.
4. When more than one set of parents and their children stay together in a house, it is called a joint family.
5. There are many ways by which we can help our parents.
  - i) We should help in keeping our house neat and clean.
  - ii) We should take care of our grandparents.
  - iii) We should help our parents in household work.

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

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

## Activity Time :-

We celebrate Holi, Diwali, Christmas and many more festival together with our family. You may write your about your favourite festival.

## Life Skill :-

If any member of my family is not well My responsibility will be to look after him/her, to take care of him/her. Give him/her food and medicine on time. Being a good kid and helping other members at home.

## Value Based Question :-

Our parents help us and do so much for us. It is our responsibility to make them proud and happy. It can be possible if we do all our work on time, study hard, help them in work and be a responsible child.

# 4

## SAFETY RULES AND GOOD MANNERS



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



## Try this ! :-

Seat belts and Helmet are primarily used to protect passengers from injuries in the case of an accident.

## Test Your Skills :-

- A** Complete the sentence using the words given in the box.  
1. Sorry,    2. Meal,    3. Please,    4. Sharp,    5. Crossing
- B** Answer the following questions.
1. If we get down from a moving bus, we may get hurt or injured.
  2. We should obey and respect our teachers and elders.
  3. The immediate treatment given to an injured person before a doctor's arrival is called first Aid.
  4. a) At home
    - i) Do not play with sharp things like blades, knives or scissors.
    - ii) Never touch electric switches, plugs, heaters, iron with wet hands.b) On getting hurt :
    - i) If you get hurt at home report it to your elders.
    - ii) If someone else get hurt, then call a doctor or adult for help.c) During festivals
    - i) Do not play with crackers.
    - ii) Do not throw water balloons on moving vehicles
  5. We should always follow good manners everywhere :
    - i) We should greet when we meet someone.
    - ii) Be kind to the poor, old and blind people.
    - iii) Be kind to animals.
- C** Write (T) for true and (F) for false statement.  
1. (F),    2. (T),    3. (F),    4. (T).
- D** For good manners colour the boxes GREEN and for bad manners RED.  
1. green,    2. red,    3. green,    4. green,    5. red

Activity Time :- A) 1. Please,    2. Sorry,    3. Thank you  
B) Scissors,    Detol Bottle,    Medicine,    Doctor tape,    Bandage.

## Life Skill :-

Precautions we can take in this situation are :

- i) We should inform our parents or elders at home, about whole situation.
- ii) We may request that person to stop and tell them that you are not feeling good with the touch.
- iii) Firmly say 'no' or 'stop' and seek out to a safe space with others and inform someone in your safe circle about what happened.

Value Based Question :- Mohan should first calm his brother and give him first aid. If injury is major he may take help of his neighbour or an elder around him.





**Start-up :-** 1. Tea leaves, 2. Mustard seeds, 3. Honey, 4. Eggs

**Try this ! :-** Do yourself

**Test Your Skills :-**

**A Write down the names of :**

1. Ground nut, Almond
2. Kidney beans, Lentils
3. Pepper, Cardamom
4. Mustard oil, Coconut oil
5. Butter, Curd

**B Answer the following questions.**

1. We need food for our survival. Food is our basic need. Plants and animal too need food for their survival. Food give us energy to study, work and play.
2. Few food items like carrot, onion, tomatoes, radish can be eaten raw as well cooked.
3. We must have at least three meals in a day. Breakfast, Lunch and Dinner.
4. Sources of food are :
  - i) Animals
    - we get milk from cow, buffalo and goat.
    - eggs from hens and ducks.
    - honey from honeybees.
  - ii) Plants
    - we get vegetables and fruits from plants.
    - we get grains, pulses and spices from plant.
    - oil such as mustard oil and coconut oil.
5. The food that help us grow well and makes our bones and muscles strong is called body building food.

**C Some food items are listed in box. Write them in the appropriate box.**

Food that is rich in protein	Food that is rich in carbohydrates	Food that is rich in vitamins and minerals
Fish Eggs Cereal Milk Pulses Curd Meat Butter Paneer	Chapati Rice Ghee Butter	Grapes Pine apple Banana Beans Tomato Cabbage Apple Carrot Onion



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

1. Honey bee, 2. Night, 3. Junk food, 4. Breakfast, 5. Plants, Animals

Activity Time :- B) 2. MANGO, 3. PEAR, 4. MAPLE, 5. MEAT

Life skills :- 1. Healthy, 2. Unhealthy, 3. Unhealthy, 4. Healthy, 5. Unhealthy

Value Based Question :-

Yes, it is not advisable to eat oily and spicy food everyday because they can have negative healthy effects. Oily foods can cause weight gain and obesity spicy food can cause chest pain, Headaches and vomiting.

**6**

**CLOTHES**



Start-up :- i) a, ii) c, iii) a

Try this ! :- (1), (3), (4), (2)

Test Your Skills :-

**A** Match the following.

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

**B** Answer the following questions.

1. Clothes are our basic needs. Clothes make us look smart and decent and also protect us from heat, cold, rain and dust.
2. We get cotton fibre from cotton plant. First cotton is spun into yarn Then yarn is used to make cloth on a loom. Weaving is done, we get cotton cloth out of it.
3. Rain coats prevent us from getting wet because these are made up of rubber or plastic that does not absorb water at all. Raincoats are waterproof.
4. During winter season we wear woollen clothes. usually woollen clothes are obtain from the soft and thick hair of sheep.
5. We can take care of our clothes easily by following methods :
  - i) Washing - regularly wash clothes to keep them clean and fresh.
  - ii) Ironing : iron clothes to remove wrinkles and keep them neat.
  - iii) Storing : store clothes properly in closets to prevents damage.

**C** Fill in the blanks.

1. Smart, decent 2. rubber, 3. seasons, 4. uniform, 5. silkworm

Activity Time :-

(B) Cotton cloth will absorb more water because it has high water absorbing capacity as compared to Nylon cloth.



## Life skills :-

We can take care of our clothes by following methods :

- i) Store clothes properly in closets to prevent damage.
- ii) Dry clothes in the sun or using dryer to remove moisture.
- iii) Iron clothes to remove wrinkles.

## Value Based Question :-

After knowing fact how silk is made out of killing silk worm we can go for alternative idea. Ahimsa silk, also known as peace silk (refers to any type of silk) it is produced without harming or killing silk worms.

# 7

## TYPES OF HOUSES



### Start-up :-



Try this ! :- a) Wrenches, b) Measuring rulers c) Trowel d) Handsaw

### Test Your Skills :-

**A** Match the following home with their names.

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

**B** Answer the following questions.

1. Before building a house many factors are kept in mind like material, cost, place, weather and conditions.



2.	Pucca House	Kutcha House
	(1) Built mainly in towns and cities (2) Made up of bricks, steel, iron and cement. (3) Known as permanent house.	i) Built in villages. ii) Made of mud, straw and bamboo iii) Known as temporary house.

3. Stilt house are mainly found in hilly areas. These house are built on long poles, so that rainwater can not enter inside.
4. 'Blueprint' is refer to the design of the building. An Architect is person who draws a plan for the house.
5. Mason, Carpenter, Electrician, Plumber, Painter and Architect are the people who help in making a house.

**C** Fill in the blanks.

1. Stilt      2. Permanent house      3. tent      4. caravan      5. mud and straw

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

1. Boat house (temporary house)      2. Igloo (temporary house)  
3. Bungalow (permanent house)      4. Hut (temporary house)

**Activity Time :-** 1. ARCHITECT      2. MASON      3. ELECTRICIAN      4. PLUMBER  
5. CARPENTER      6. PAINTER

**Life skills :-**

No, it is not good to make fun someone who lives in a kutcha house, as kutcha house are locally available, inexpensive and are often home to economically disadvantaged communities.

**Value Based Question :-**

These are few simple things you can do to keep your organized :

- i) Keep things on their respective places
- ii) Try to keep your house neat and clean.
- iii) Help your elders and parents in household work.

## 8

# WATER AND AIR



**Start-up :-**

**Air**

- 1. Living things need air for survival.
- 2. Plants use air to make food.
- 3. Animals and human need air to breathe.

**Water**

- i) We need water for our survival.
- ii) Plants need water to grow.
- iii) Animals need water to drink and clean themselves.



**Try this ! :-** Plants that grow in the forests and streets get water from rainwater or ground water.

**Test Your Skills :-**


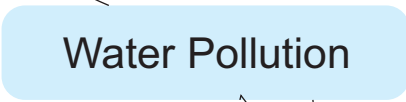
**A** Circle the correct options.


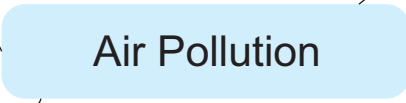
1. Rain,      2. Salty,      3. Jog falls,      4. Wind,      5. Feel


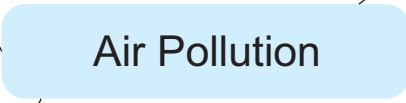
**B** Answer the following questions.


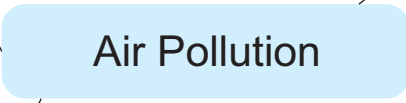
- Water is important for us in many ways :
  - Plants need water to grow.
  - Animals need water to drink and bath.
  - Humans need water to drink, bath, wash utensils and clothes, etc...
- Wells and hand pumps are sources of water found in villages.
- Practices we can adopt to save water are :
  - By getting leaky pipes and taps repaired at once.
  - Do not leave the tap open while brushing.
  - By collecting rainwater and using it later for activities such as watering plants & cleaning car.
- We need air to :-
  - Air is basic need of human, plants and animals, required for breathing.
  - Air is filled in the tyres of vehicles to make them move.
  - Air is required in drying wet clothes.
- Vehicles, wind mills and hot-air balloons need air to move.
- Many human activities make air dirty :-
  - Burning of garbage in open.
  - Dirty smoke let out by vehicles and chimneys of factories.


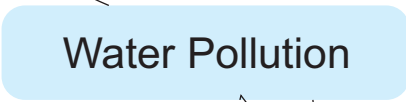
**C** Match the following.


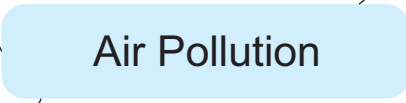
1.  

2.  

3.  

4.  

5.  

6.  



**D** Write (T) for true and (F) for false.

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

Activity Time :- (B) We will observe that pin wheel start moving in the direction where air is blowing Air help things to move.

Life skills :- 1. (X),      2. (✓),      3. (✓),      4. (✓),

Value Based Question :-

We use bucket instead of shower while bathing because a bucket bath saves water consumption, in Shower we waste water.

## 9

# OUR NEIGHBOURHOOD



Start-up :- 1. Bakery,      2. Park,      3. Stationery Shop,      4. Hospital

Try this ! :- 1. (F),      2. (F),      3. (T),      4. (F)

Test Your Skills :-

**A** Tick (✓) the correct box.

1. Patients,      2. Softy,      3. Market,      4. Bank,      5. Circus

**B** Answer the following questions.

1. The places that surrounds our house makes up our neighbourhood.
2. Qualities of a good neighbours are :
  - i) Neighbours should help each other during times of trouble.
  - ii) Should celebrate festivals together.
  - iii) We should not make too much noise while playing in our neighbourhood.
3. Recreation means enjoying yourself and relaxing when you are not working.  
Places of recreation are park, Zoo, museum and fair.
4. When different small shops are put together at one place, it is called a super market. We can buy everything from super market like grocery, stationery clothes, shoes, these items are easily available.
5. We can take care of our neighbourhood by following steps :
  - i) By keeping it clean, throwing garbage and waste into dustbin not on streets.
  - ii) By helping each other in neighbourhood.
  - iii) By growing more trees in neighbourhood, to keep it green.

**C** Fill in the blanks. Choose words from the box.

1. Park,      2. Chemist,      3. Police station,      4. neighbourhood,  
5. temple, mosque, gurudwara and church.





3. Fire fighter help us in case of fire accident and saves the lives of many people.
4. Policeman maintain law and orders in the city and keeps watch on the criminals and thieves.
5. A plumber fixes the taps and pipes and an electrician fixes electric plug points and repairs fans in the houses.



**State True or False.**

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



**Match the following people with the item or tool they use while working.**

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

**Activity Time :-**

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

(B) Try yourself

**Life skills :-**

- i) We should be polite and help full to our helpers.
- ii) We should not disrespect our helpers.
- iii) We should provide clothes and food to our helpers in need.

**Value Based Question :-**

No, child labour is not a good practice as it can harm a child’s healthy, safety and moral development and can prevent children from attending school.



# OUR FESTIVALS



**Start-up :-** 1. Christmas, 2. Dussehra, 3. Gurupurab, 4. Pongal

**Test Your Skills :-**



### Name the festival when.

- |                      |              |               |
|----------------------|--------------|---------------|
| 1. Diwali            | 3. Holi      | 5. Durga Puja |
| 2. National Festival | 4. Gurupurab |               |



### Answer the following questions.

1. Diwali is called festival of lights because lighting diyas and candles to symbolize the victory of light over darkness and good over evil.
2. On dussehra, an effigy of Ravan is burnt.
3. We celebrate Independence Day On 15th August. On this day in 1947 our country gained freedom from the british rule.
4. Christmas is celebrated on 25th of December every year. Houses are decorated with lights, bells, christmas trees and exchange. gifts with each other.
5. Pongal is celebrated in month of January for 3-4 days to thank the sun, mother nature and farm animal.



### Circle the correct words.

1. Ten Days,    2. Punjab,    3. Mahatma Gandhi,    4. Eid,    5. After.



### Match the following with the description.

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

- Activity Time :-**
- (A) i) Diwali is festival of lights and candles.  
 ii) We exchange gifts with our family and friends.  
 iii) On Diwali we worship Lord Ganesha and goddess Lakshmi.  
 iv) Diwali comes twenty days after 'Dussehra'.  
 v) Diwali mark the return of Lord Rama to Ayodhya.
- (B) We celebrate harvest festivals in India to mark the beginning of the harvest season of crops.

- Life skills :-**
- |         |         |         |        |
|---------|---------|---------|--------|
| 1. (X), | 3. (✓), | 5. (✓), | 7. (✓) |
| 2. (✓), | 4. (✓), | 6. (✓), | 8. (✓) |

### Value Based Question :-

Yes, festivals bring unity among the people. Celebrations whether cultural, religious or Seasonal, Create an opportunity for individuals to come together.



**Start-up :-**    1. Cart,    2. Aeroplane,    3. Train,

**Try this ! :-**    1. Do yourself,    2. Pilot,    3. Do yourself,

### Test Your Skills :-



**A** Circle the odd one.

1. Train, 2. Smart phones, 3. Bus, 4. Doctor, 5. Fax

**B** Answer the following questions.

- Two slowest means of transport  
a) Boat b) Cycle  
Two fastest means of transport  
a) Train b) Aeroplane
- Communication means sending and receiving messages. There are different means of communication like Telephone, Computer, Fax machine, Newspaper, Television, Radio and Smart phones.
- People need transport to go from one place to another. Now days there are different modes of transport.
- Elephant, Camels and Mules are used to carry loads.
- Smart phone are quick and easily available as compare to telephone. We can send messages anytime anywhere.

**C** Match the following.

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

**D** Tick (✓) the right option.

1. Telephone, 2. Printed, 3. Train, 4. Ship, 5. Smart phone

Activity Time :-

- (A) 1. Tractor 2. Compactor 3. Submarine 4. Hovercraft  
(B) Try yourself

Life skills :-

Drivers have a responsibility to reduce their environmental impact by driving less, and more wisely. Also drivers should use more fuel efficient vehicles.

Value Based Question :-

Three modern means of communication are; Smart phones, Social media, Televisions. There is vast change in communication over time from traditional to modern. With various new means of communication people are able to communicate quickly and easily anywhere across the world.



Start-up :- 1. (a), 2. (a), 3. (b), 4. (c)

Try this ! :- Do yourself

Test Your Skills :-



**A****Write the name of the meal that you have and at what time.**

1. Breakfast at 7 - 8 AM.
2. Lunch at 11 AM - 12 PM
3. Snack at 3 - 4 PM
4. Dinner at 6 - 8 PM

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

1. North, South, East and West are four fundamental directions.
2. In early time, when there were no clocks or watches people used to approximate the time by looking at the position of the sun and the length of the shadow.
3. We use watch or clock to see time.
4. A map is a diagrammatic representation of an area. We need map to locate different places.
5. A compass is an instrument that has a needle that always points to the north and helps in finding directions. It is mainly used by sailors.

**C****Read the clock and answer the questions given below.**

1. a - It is 10:00 AM/PM  
b - It was 9:30 AM/PM 30 Minute ago.
2. a - It is 4:00 AM/PM  
b - It will be 6:00 AM/PM in 2 hours.

**Activity Time :-** Do yourself**Life skills :-** Try to do yourself, it's a fun activity.**Value Based Question :-**

Yes, It is very good to be punctual. These are few ways to be punctual all the time :

- i) Be organized
- ii) Arrive at school on time.
- iii) Completing your work or homework within time.
- iv) Set reminders or use alarms to keep track of time.

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## PLANT KINGDOM

**Start-up :-** a) ii, b) iv, c) iii, d) i**Try this ! :-** 1. (T), 2. (F), 3. (F), 4. (F), 5. (T)**Test Your Skills :-****A****Match the following.**

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

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

1. Four different kinds of plants are :



- i) Trees : Big and tall plants  
For eg : Coconut, Peepal
  - ii) Herbs : Very small plants  
For eg : Mint, Grass
  - iii) Climbers : Plants that are weak and use support to hold themselves up  
For eg : Pea, Grapevine
  - iv) Desert plants : these plants are grow in hot and dry places and have thorns.  
For eg : Cactus, Palms
2. Climbers plants need support to grow straight.
  3. Lotus plant have flat leaves because it is an aquatic or water plant and to float on the water surface.
  4. Pine and fir have needle like leaves because these plants are found in mountain areas and at time of snowfall, leaves of these trees do not allow snow to collect on them.
  5. We get cereals, spices, fibres, perfumes and edible oil from plants.



### Fill in the blanks.

1. Air, 2. Oxygen, 3. Rose, Jasmine, 4. Jute, Cotton, 5. Cactus



### Name the parts of the tree. Also colour the tree.

- Fruits, Trunk, Stems, Roots

Activity Time :- Do yourself

Life Skill :-

Coconut tree is very useful to us, its fruit, trunk and leaves all are used in our daily life. Its fruit is high in nutrition and can be eaten fresh and dried. Its leaves are durable, strong and waterproof and can be used in many purpose. Its trunk can be used in construction and Bio fuels.

Value Based Question :-

It is our responsibility to save trees and our environment. These are few ways by which we can do so :

- i) Plant more n more trees.      ii) Do not cut trees unnecessarily.
- iii) Water trees on time specially in summer time.
- iv) Minimize use of chemicals as it may harm the plant growth.

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## ANIMAL KINGDOM



Start-up :-

- |                 |             |            |
|-----------------|-------------|------------|
| Domestic Animal | Wild Animal | Pet Animal |
| → Cow           | → Lion      | → Dog      |
| → Hen           | → Tiger     | → Cat      |

Try this :- 1. hen, 2. honeybee, 3. wool



Test Your Skills :-

**A** Find six animal home and two animal sound from the word grid.

A	B	U	Z	Z	D	R
S	T	A	B	L	E	O
C	O	O	P	Z	N	A
D	T	R	E	E	S	R
L	W	A	T	E	R	O
B	A	S	K	E	T	N

**B** Answer the following questions.

- The place where animals live are known as habitats.
- Animals need homes or shelter to protect themselves from heat, cold, rain and other animals.
- Horse : Stable      Dog : Kennel      Monkey : Tree      Lion : Den
- Wild Animals : Lion, Zebra
  - Pet Animals : Dog, Cat
  - Domestic Animals : Cow, Goat.
- Animals are useful to us in many ways :
  - We get honey from honeybees.
  - Animals like oxen and bulls are used to plough the fields.
  - Hens and ducks give us eggs.
- Cow - Moos
  - Horse - Neigh
  - Bird - Chirp
  - Lion - Roar

**C** Match the following animals in column A with their homes in column B.

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

**D** Name two animals that :

1. Cow, Goat    2. Chickens, Goat    3. Hen, Duck    4. Birds, Lion    5. Elephant, Horse

Activity Time :- (A) Do yourself

- (B) 1. Moos  
2. Chatter  
3. Bark  
4. Quack  
5. Trumpet

Life Skill :-

1. (✓)  
2. (✓)  
3. (X)  
4. (X)  
5. (✓)



## Value Based Question :-

We should provide shelter to birds, try to make a bird house in your home or in park. Keep food and water everyday. Also feed street dog and cats everyday.

# 16

## WEATHER AND SEASONS



**Start-up :-** 1. Spinach 2. Do yourself 3. Umbrella 4. Mango

**Try this :-** 1. F, 2. T, 3. F, 4. T

**Test Your Skills :-**

**A Match the following.**

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

**B Answer the following questions.**

- When we feel change in air around us, these changes are known as weather. When weather remains the same for a long period we call it a season.
- i) We enjoy sunshine in winters. ii) We enjoy hot food and soup in winter.
- Strong winds blow on a windy day and it is mostly cool.
- Five seasons are as following :
  - Spring season
  - Summer season
  - Rainy season
  - Autumn season
  - Winter season.
- We like to eat cold and fresh food in summer season. We wear light colour clothes in summers.

**C Tick (✓) the right option.** 1. warm, 2. autumn, 3. windy, 4. rainy

**D Fill in the chart given below to learn more about seasons. You may take help of your teacher or internet.**

Season	Month in which it is observed	Seasonal fruits and vegetables	Festival celebrated
Summer	April - June	Fruit - Mango Vegetable - Bottle gourd	Holi
Spring	February - March	Fruit - Orange Vegetable - Spinach	Vasant Panchami
Winter	November - January	Fruit - Apples Vegetable - Cauliflower	Christmas
Rainy	July - September	Fruit - Cherries Vegetable - lady finger	Raksha Bandhan
Autumn	September - October	Fruit - Pears Vegetable - Peas	Diwali



### Activity Time :-

- (A) The weather in hills is change as compared to plains because of the increasing altitude and hills are more open and larger in area than plains.
- (B) Do yourself

### Life Skill :-

We can make use of the leaves in different ways that are shed by trees during autumn Season :-

- i) Dry leaves can be used as free fertilizer.
- ii) Leaves can be used to create bird refuges.

### Value Based Question :-

During hot summer it is extreme warm outside often birds do not get enough water to drink. We should provide these birds. We should provide these birds food and water. We can keep water at terrace or in garden area or in park to help birds in summer season. .

17

## INVENTION OF THE WHEEL



**Start-up :-** 1. (✓), 2. (X), 3. (X), 4. (✓), 5. (✓), 6. (X)

### Try this :-

The use of the wheel reduces friction and make easier for us to move things rather than pushing it.

### Test Your Skills :-

**A** Write (T) for true and (F) for false.

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

**B** Answer the following questions.

1. Wheel is the man's greatest invention.
2. Invention of wheel has made human life more easy and comfortable.
3. Wheel was invented by early humans. One day early man saw a log of wood rolling down the slope, which gave him an idea to cut a slice of a log and made a hole in the middle and ran a stick through them. This is how wheel was invented.
4. Early man used the wheel basically in carry loads from one place to another and later on learn new uses.
5. Spinning cotton, potter's wheel, cars, trucks all these appliances have wheels.

**C** Tick (✓) the right .

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

**D** Look at the following pictures in column A and match them with the use of wheel in column B.

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



## Activity Time :-

- (B) Wheels are used in many
- In transportation, used in vehicles;  
Cars, bus, truck, bike.
  - Used by potters in making clay pots and clay utensils.

## Life Skill :-

Nature teaches us many new things, we just need a good observation. Look around you will able to learn values from other living - beings. For examples, Plants can adapt themselves in their environment teaches us to adjust in a particular places in times of difficult situations.

## Value Based Question :-

- The invention of the wheel helped in developing other technologies in many ways, including.
- Cogwheel : It is a gearwheel, having teeth of hardwood or metal into slots. Niklaus Riggerbach
  - Watermill : invented by phil of by zantium.
  - Spin thread : James hargreaves invented it.
  - Potter's wheel : The sumerions invented the pottery wheel.

18

# OUR EARTH



**Start-up :-** 1. Globe 2. Water 3. Model

**Try this :-** 1. Deserts, plains & mountains 3. Plains  
2. Valleys, Hillsides 4. Mountains, valleys, hills

**Test Your Skills :-**

**A Match the following.**

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

**B Answer the following questions.**

- Earth look blue because more than two third of the Earth's Surface is covered by water.
- Landforms means the physical appearance of the Earth's land scape.
- The five oceans of the world are the pacific, the Arctic, the Antarctic, the Atlantic, and the Indian Oceans.

Plains	Plateaus
i) Plains are flat lands.	i) Plateaus are flat land situated at the top of a hill.
ii) Plains are populated with village, town and cities.	ii) Plateaus are not populated as plains.

- Mountains : are higher than hills. Top of a mountains is known as it's peak.  
Hills : the land slightly higher than the ground level is called hills.  
Valley : low land between two hills or mountains.





### Fill in the blanks.

1. flat    2. show    3. five    4. land, water    5. desert

### Activity Time :-

(A)

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

(B) Do yourself

Life Skill :- Do yourself

Value Based Question :-

It is our responsibility to take of our Earth. Here are few ways we can do it :

- i) By not wasting water.
- ii) By planting more n more trees.
- iii) By not burning or throwing garbage here and there.
- iv) We should not wash clothes or take bath in river & ponds.
- v) We should not dump waste in water bodies.

