

Tanquiri .AI

# Environmental Science

2

## Teacher's Manual

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MASTERMIND



## 2. My Family

### Multiple Choice Questions

Tick (✓) the correct answer :

Ans. 1. (b) house      2. (a) parents

#### Exercise

#### A. Oral questions :

- Ans. 1. A family is a group of parents and their children living together in a house.  
2. Do yourself

#### B. Multiple Choice Questions :

Tick (✓) the correct answer :

Ans. 1. (a) Small                      2. (c) members

#### C. Fill in the blanks :

- Ans. 1. We all live with our **family**.  
2. Rohan's grandfather is **seventy** years old.  
3. Aunt **Tara** is a doctor.  
4. Sherene's family is a **joint** family.

#### D. Answer the following questions :

- Ans. 1. In a nuclear family, the father, mother and their children live together. It is a small family.  
2. A joint family is a big family. It has many members.

### Activity

Do it yourself

## 3. Fun and Recreation

Tick (✓) the correct answer :

Ans. 1. (b)                      2. (b)

#### Exercise

#### A. Oral Questions :

- Ans. 1. Usually we play cricket, football, Badminton etc. in the evening.  
2. Grandparents tell us stories in the night.  
3. Indoor games Carrom, Ludo, Chess etc.

#### B. Multiple Choice Questions :

Tick (✓) the correct answer :

Ans. 1. (c)                      2. (c)                      3. (c)

#### C. Circle the odd one out :

- Ans. 1. **Playing**                      Eating                      Sleeping  
2. Water                      **Stone**                      Juice

3. Zoo                      **School**                      Circus

**D. Fill in the blanks :**

- Ans.** 1. We live together as a **family**.  
2. We enjoy with family member on **birthday party and weddings**.  
3. **Love** and care makes family members happy.  
4. Recreation keeps us **fresh and active**.  
5. A family can enjoy visiting a **zoo**.

**E. Match the following :**

- |             |                               |   |                            |
|-------------|-------------------------------|---|----------------------------|
| <b>Ans.</b> | <b>A</b>                      |   | <b>B</b>                   |
|             | 1. Enjoying rides             | • | <b>mela</b>                |
|             | 2. Offering fruits to animals | • | <b>zoo</b>                 |
|             | 3. Enjoy and build stamina    | • | <b>play games</b>          |
|             | 4. Tasty food and new dresses | • | <b>wedding and parties</b> |

**F. Answer the following questions :**

- Ans.** 1. Playing is the good source of entertainment. When we play we have lot of fun with our friends. On the other hand playing is good for our health. Playing outdoor games keep our body fit and increases our stamina.  
2. Visiting to a museum is helpful to us because we get valuable information about historical, scientific and cultural subject.  
3. We see animals at the zoo.  
4. Cricket is my favourite game.

## 4. Our Food

### Activity

Do it yourself

### Multiple Choice Questions

Tick (✓) the correct answer :

- Ans.** 1. (c)                      2. (b)

### Exercise

**A. Oral Questions :**

- Ans.** 1. Milk is a complete food.  
2. We should not eat dirty or stale food because it is not good for our health.  
3. Energy giving food—potato, butter, rice, sugar and wheat are energy giving food.

**B. Multiple Choice Questions :**

Tick (✓) the correct answer :

Ans. 1. (b)      2. (c)

**C. Name these :**

- Ans. 1. Any three food grains — Wheat    Rice    Corn  
2. Any three vegetables — Potato    Spinach    Lady's finger  
3. Any three fruits — Mango    Apple    Grapes

**D. Fill in the blanks :**

- Ans. 1. We should not eat **stale** food.  
2. We make **cheese** from milk.  
3. Eating too much fried food makes us **fatty**.  
4. Food gives us **energy** to work, play and think.  
5. We should eat food at **regular** intervals.

**E. Write True or False for the following statements :**

- Ans. 1. False    2. True    3. False    4. True    5. True

**F. Find out the items and circle the words in the following crossword:**

Ans.

w	h	e	a	t	a	b	a	b
c	h	i	p	s	n	r	e	u
h	o	l	p	a	n	e	e	r
e	x	k	l	m	u	a	i	g
e	o	m	e	a	t	d	f	e
s	a	b	s	i	s	n	k	r
e	g	g	s	d	p	e	a	s

**G. Answer the following questions :**

- Ans. 1. We need food to live and grow. It gives us energy to work and play.  
2. There are mainly three kind of food—  
(i) Energy giving food    (ii) Body building food and  
(iii) Protective food.  
3. (i) Wash your hand before and after every meal.  
(ii) Chew your food properly.  
(iii) Eat your meats at fixed time.  
4. Fishes, eggs and meals are called non-vegetarian food.

**Activity**

Do it yourself

## 5. Water

### Activity

Try to think of ways in which you can do the following. Discuss these in class.

- |   |  |
|---|--|
| Use less water  | Not waste water                                |
| 1. never leave the tap running while brushing your teeth. | 1. use kitchen water to water your plants.     |
| 2. Avoid shower when you take a bath.                     | 2. Avoid cattle bathing in river.              |
| 3. Avoid throwing factory waste in the rivers.            | 3. Do not wash clothes in the rivers or ponds. |

### Multiple Choice Questions

Tick (✓) the correct answer :

Ans. 1. (b)      2. (a)

### Exercise

#### A. Oral Questions :

- Ans. 1. Uses of water : (i) We use water for cooking.  
(ii) We use water for drinking.  
(iii) We use water for bathing.  
(iv) We use water for cleaning etc.
2. The rain water that seeps into the ground is called ground water. We can use the ground water with the help of wells and hand pumps.
3. Rain is the main source of water.

#### B. Multiple Choice Questions :

Tick (✓) the correct answer :

Ans. 1. (a)      2. (c)

#### C. Circle the odd one out :

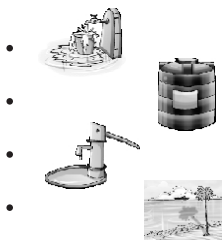
- |             |               |                |
|-------------|---------------|----------------|
| Ans. 1. Sea | Ocean         | <b>Well</b>    |
| 2. Cleaning | Bathing       | <b>Writing</b> |
| 3. Tanks    | <b>Spoons</b> | Buckets        |

#### D. Fill in the blanks :

- Ans. 1. We get water from **rain**.
2. Water that is fit for drinking is called **potable** water.
3. Small streams join to make a big **river**.
4. Potable water is **colourless** and has no **smell**.

**E. Match the following :**

- Ans.** 1. Save water  
2. Store water  
3. Hand pump  
4. Sea



**F. Write True or False for the following statements :**

- Ans.** 1. False    2. True    3. False    4. True

**G. Answer the following questions :**

- Ans.** 1. (i) We dig wells to get ground water.  
(ii) We can also get around water through hand pumps.
2. Sources of water : (i) Rain (ii) River (iii) Lake (iv) Sea.
3. Water becomes dirty in the following ways—  
(i) Water becomes dirty when factories throwing waste in the river and sea.  
(ii) When people wash clothes in the rivers or ponds the water becomes dirty.
4. We can use rainwater that seeps into the ground in following ways—  
(i) We dig wells and get ground water and use for the various purposes.  
(ii) We can get ground water through hand pumps and we can use it for various purposes like agriculture etc.
5. Water is precious for us. We can save water in the following ways—  
(i) Never leave the tap running while brushing your teeth.  
(ii) Never use shower when you take bath.

**Activity**

Do it yourself

## 6. Our Clothes

**Activity**

Look at the above pictures given below. Tick the clothes worn by both boys and girls.

Ans.



Pyjama



Socks



Trousers



Blazer



Kurta



Shorts



Shirt



T-shirt



Frock



Skirt

Tunic



Saree

### Multiple Choice Questions

Tick (✓) the correct answer :

Ans. 1. (b)      2. (a)      3. (b)

### Exercise

#### A. Oral Questions :

- Ans. 1. We wear clothes because clothes protect us from cold, heat and rain.  
2. Cotton clothes keep us cool in the summer.  
3. Postman wears the khakhee dress with a bag.

#### B. Multiple Choice Questions :

Tick (✓) the correct answer :

Ans. 1. (c)      2. (b)      3. (c)

#### C. Find out colour of the following :

- Ans. 1. Coat of a lawyer      **Black**  
2. Coat of a doctor      **White**  
3. Uniform of a policeman      **Khakhee**

#### D. Fill in the blanks :

- Ans. 1. **Clothes** protect us from the cold, rain and heat.  
2. Cotton, silk and wool are **natural** fibres.  
3. Silk is a special material that we get from the **silkworm**.  
4. The hair of the **sheep** is spun into wool.  
5. People who are in special jobs wear **uniform**.

**E. Match the following :**

- Ans.** 1. Woollen • **winter**  
2. Cotton • **summer**  
3. Raincoat • **rain**  
4. Lawyer • **black coat**

**F. Answer the following questions :**

- Ans.** 1. We wear wollen clothes in winter because wollen clothes keep us warm.  
2. Do it yourself.  
3. Students, Pilot, sailor, driver, fire fighter, policeman, postman etc. wear uniform.  
4. Postman's dress is different from a policeman's dress because postman carries a bag and a policeman budes of his rank.

**Activity**

Do it yourself

## 7. Sweet Home

**Multiple Choice Questions**

**Tick (✓) the correct answer :**

- Ans.** 1. (b) 2. (c)

### Exercise

**A. Oral Questions :**

- Ans.** 1. If we do not clean our house we may be sick.  
2. We keep our house clean in the following way—  
(i) We dust the room and furniture regularly.  
(ii) We sweep the floor with lyzole and phenyle.  
(iii) We mop the floor daily.  
(iv) We thrown the waste into the dustbin.  
3. Our houses must have windows which have wire nettings to stop flies and mosquitoes enter the house.

**B. Multiple Choice Questions :**

**Tick (✓) the correct answer :**

- Ans.** 1. (c) 2. (b) 3. (a)

**C. Circle the correct word:**

- Ans.** 1. The house we live in is called a (**home**/cave).  
2. We should keep our house (dirty/**clean**).  
3. Windows with wire nettings stop (**flies**/wild) animals to enter.  
4. (**Sunlight**/Moonlight) helps to keep our house free of germs.

**D. Fill in the blanks :**

- Ans.** 1. Impure air is moved out from **ventilators**.  
2. Windows with wire nettings allow **sunlight** and stop **mosquito** to enter in a house.  
3. Home is the place where we feel **safe**.  
4. Germs can cause **disease**.

**E. Match the following :**

- |             |             |   |                   |
|-------------|-------------|---|-------------------|
| <b>Ans.</b> | <b>A</b>    |   | <b>B</b>          |
|             | 1. Dustbin  | • | <b>garbage</b>    |
|             | 2. Cobweb   | • | <b>spider</b>     |
|             | 3. Sunlight | • | <b>kill germs</b> |
|             | 4. Kitchen  | • | <b>cook food</b>  |

**F. Write True or False for the following statements :**

- Ans.** 1. True.    2. False    3. False    4. True

**G. Answer the following questions :**

- Ans.** 1. A house in which we live with our family is called home.  
2. Three way to clean our home as follows—  
(i) We should dust the room and furniture regularly.  
(ii) We should flush toilets after use and keep them clean.  
(iii) We should sweep the floor with phenyle or lyzole.  
3. A good house should have bedroom, dining room, kitchen, study room and bathroom.  
4. We can keep our houses clean in the following way—  
(i) We should dust the room daily.  
(ii) We should sweep the floor with phenyle.  
(iii) We should mop the floor daily.  
(iv) We should remove cobwebs from wall and covers.  
(v) We should throw the waste into the dustbin.

## 8. Wheels Exercise

**A. Oral Questions :**

- Ans.** 1. Some means of transport move on land, like buses, cars, bicycles, bullock-carts and trains. They are called land transport.  
2. Railway train.

**B. Multiple Choice Questions :**

**Tick (✓) the correct answer :**

- Ans.** 1. (a)    2. (c)    3. (c)    4. (b)

**C. Tick (✓) the correct word :**

- Ans.** 1. A boat/motorcycle moves in water.  
2. A train runs on roads/rails.  
3. An aeroplane flies/sails in air.  
4. A bus/bicycle has two wheels.

**D. Fill in the blanks :**

- Ans.** 1. Ships and boats are used for **water** transport.  
2. A **train** carries thousands of people from one place to another.  
3. **Aeroplanes** are the fastest means of transport.  
4. **Truck** and **lorries** are used to transport goods and loads.  
5. Vehicles gets energy from **fuels**.

**E. Circle the odd one out and write down why it is 'odd' in the given blank space. One is done for you.**

	slow	fast	very fast
(Bicycle)	Aeroplane	Car	Slow
Tonga	(Bus)	Bailgari	<b>Fast</b>
Aeroplane	Rocket	(Tonga)	<b>Slow</b>
Ship	(Aeroplane)	Boat	<b>Fast</b>
(Train)	Motor cycle	Scooter	<b>Fast</b>

**F. Answer the following questions :**

- Ans.** 1. Petrol, diesel and CNG are the different types of fuels used in means of transport.  
2. Early man carries load on his back. Animals and sledges were also used to carry load from one place to another.  
3. Land transport such as bus, train, car, water transport such as boat, ship and air transport such as aeroplanes are the different means of transport.  
4. We should save fuel because fuel is available to us in a limited quantity.

**Activity**

Do it yourself

## 9. Safety Rules

### Exercise

**A. Oral Questions :**

- Ans.** 1. We should play in a playground.  
2. Green light says 'Go'.

3. We should not play with sharp things because they may harm us.

**B. Multiple Choice Questions :**

**Tick (✓) the correct answer :**

- Ans.** 1. (a)      2. (b)      3. (a)

**C. Fill in the blanks :**

- Ans.** 1. We should cross the road from **zebra crossing**.  
2. Wear a **safety suit** when you enter the water.  
3. We should not talk with **strangers**.  
4. We should stand in a **queue** to get into a bus.  
5. We must wear a **helmet** while riding the vehicle.

**D. Write True or False for the following statements :**

- Ans.** 1. False      2. True      3. True      4. False      5. True

**E. Answer the following questions :**

- Ans.** 1. Scissors, blade, knife, five and electric appliances are five objects that we should not play with.
2. We must keep the following in mind while at playground.
- Always prefer to play in the park or playground.
  - Do not fight or hurt each other while playing.
  - You should not push or pull to get a chance on swing or a slide.
  - Do not touch or take the unknown things lying in the playground.
3. Three things to keep in mind while crossing the road are as follows :
- Cross the road at Zebra crossing.
  - Hold the hand of an elder while crossing the road.
  - Look right, then left and right again before crossing a road.
4. Two safety rules to follow in the school are :
- Running up and down the stairs in the school is always dangerous.
  - We should never throw things at each other.

**Activity**

Do it yourself

## 10. Communication

**Multiple Choice Questions**

**Tick (✓) the correct answer :**

- Ans.** 1. (b)      2. (c)



- (ii) We can send photograph, music clips through email.
- (iii) We can communicate with our friends and relatives any time and any where through telephone.
- (iv) We can get valuable informations related to education or any other field with the help of internet.
- (v) Means of communication play an important roll in distance education.

## 11. Places in Neighbourhood

### Activity

Fill in the missing letters to name things you would see at a hospital.

Ans.



nurse



ambulance



doctor

### Multiple Choice Questions

Tick (✓) the correct answer :

Ans. 1. (c)      2. (c)      3. (b)

### Exercise

#### A. Oral Questions :

- Ans. 1. Post Office : Post office works as an organisation which is responsible for postal services. Post office helps us to send money order and parcels to our relative or friends.
2. A doctor help us to keep our body healthy and fit.

#### B. Multiple Choice Questions :

Tick (✓) the correct answer :

Ans. 1. (b)      2. (a)      3. (c)

#### C. Identify and name the following pictures :

Ans. Post office      Police station      Fire station      Hospital

#### D. Fill in the blanks :

- Ans. 1. The place who sends telegram is **post office**.
2. People who live near our house are called our **neighbour**.
3. The **policemen** catches thieves and robbers.
4. We keep our money and valuables safe in a **bank**.

#### E. Write True and False for the following statements :

Ans. 1. True      2. True      3. True      4. False



## 13. Our Helpers

### Activity

Here are pictures of some helpers at school. Write who they are :

Ans.



Guard



Sweeper



Gardener



Driver

### Multiple Choice Questions

Tick (✓) the correct answer :

Ans. 1. (b)      2. (b)      3. (c)

### Exercise

#### A. Oral Questions :

Ans. 1. Teacher                      2. Doctor

#### B. Multiple Choice Question :

Tick (✓) the correct answer :

Ans. 1. (c)      2. (a)      3. (b)      4. (a)

#### C. Who am I?

- Ans. 1. I mend shoes for you. I am a **cobbler**.  
2. I stitch clothes for you. I am a **tailor**.  
3. I keep your surrounding clean. I am a **sweeper**.

#### D. Tick the correct answer :

- Ans. 1. We find nurses in a (market/~~hos~~pital).  
2. Policemen work in the (police~~s~~ station/bank).  
3. A (~~car~~penter/cobbler) makes furniture.  
4. (Post~~m~~en/Policemen) bring letters to our homes and offices.

#### E. Fill in the blanks :

- Ans. 1. Children go to the school in **uniforms**.  
2. The **doctor** examines the patients.  
3. The **police** help us when we are in trouble.  
4. The **nurse** take care of the patients.  
5. People deposit their money in the **bank**.

#### F. Match the following :

- Ans. 1. Greengrocer                      • Sells vegetables  
2. Draper                                • Sells cloth  
3. Grocer                                 • Sell pulses

- 4. Doctor • **Treats sick people**
- 5. Police • **Take care of our safety**

**G. Answer the following questions :**

- Ans.**
1. Nurse assist the doctor in hospital.
  2. Grocer, cobbler, tailor, carpenters etc.
  3. Traffic policeman controls the traffic.
  4. Grocer sells grains, pulses and other things.
  5. Bank provide following services :
    - (i) We can deposite our money in the bank.
    - (ii) When we need our money, we can take it out.
    - (iii) When we need money then banks provide us loan.
    - (iv) We can keep our jewellery safe in the banks.

**Activity**

Do it yourself

## 14. Keeping Neighbourhood Clean

**Multiple Choice Questions**

**Tick (✓) the correct answer :**

- Ans.** 1. (c)      2. (a)

### Exercise

**A. Oral Questions :**

- Ans.**
1. Our neighbourhood must be place we are proud of. So, we should keep it clean.
  2. Waste is the garbage that is collected as result of leftover after your usage.
  3. Making environment dirty by adding harmful substances to it is called pollution.

**B. Multiple Choice Questions :**

**Tick (✓) the correct answer :**

- Ans.** 1. (b)      2. (c)

**C. Fill in the blanks :**

- Ans.**
1. Always try to **recycle** things so that the garbage becomes less.
  2. We should not **pollute** water sources.
  3. We must not **throw** things in our room.
  4. We should not **waste** things.
  5. Throw bits of **garbage** in a **dustbin**.

**D. Write True and False for the following statements :**

- Ans.** 1. False      2. False      3. True      4. False      5. True

**E. Rewrite the given statements correctly by changing the underlined words :**

- Ans.** 1. We should be **proud** of our neighbourhood.  
2. Everyone can help to keep the neighbourhood **clean**.  
3. Presence of unwanted substances in an environment is called **pollution**.  
4. **Waste** is the garbage that is collected as result of leftover after our usage.

**F. Match the following :**

- Ans.** 1. Plants • **Park**  
2. Waste • **Dustbin**  
3. Water • **Plants**  
4. Paper • **Recycle**

**G. Answer the following questions :**

- Ans.** 1. We can help to keep the neighbourhood clean in the following way :  
(i) We should not throw garbage on the ground or on the street.  
(ii) Do not let dirty water collect around your houses.  
(iii) We should plant more sapling in our neighbourhood.  
2. The things that can be taken back into the earth naturally and so not harm the environment are called bio degradable.  
3. To put things or object through a process a process that they can be used again is called recyclins.  
4. Yes! because we do not throw the garbage in the ground or on the street. We grows sapling in our neighbourhood.

### **Activity**

Do it yourself

## **15. Festivals of India**

### **Multiple Choice Questions**

**Tick (✓) the correct answer :**

- Ans.** 1. (c)      2. (b)

### **Exercise**

**A. Oral Questions :**

- Ans.** 1. Diwali is the festival of light. We clean our house and white wash. On Diwali we wear new clothes and distribute sweets to our relative and friend.



## Exercise

### A. Oral Questions :

Ans. 1. Shisham                      2. root

### B. Multiple Choice Questions :

Tick (✓) the correct answer :

Ans. 1. (a)                      2. (b)

### C. Name the following :

Ans. Perfume              Jut bag              Tyre              Chair

### D. Fill in the blanks :

- Ans. 1. Plants make food only during daytime and produce **oxygen**.  
2. **Shurbs** have soft green stems.  
3. **Climber** are plants with weak stems that need support to grow.  
4. **Green** plants make their own food.  
5. **Climber** are plants with weak stems that grow along the ground.

### E. Match the following :

- Ans. 1. Climbers                      • **Grapes**  
2. Herb                              • **Grass**  
3. Creeper                         • **Pumpkin**  
4. Shrub                             • **Rose**

### F. Write True and False for the following statements :

Ans. 1. False              2. False              3. False              4. True              5. True

### G. Answer the following questions :

- Ans. 1. Types of plant :  
(i) Trees e.g. Neem, Mango  
(ii) Herbs e.g. Grasses, Mint  
(iii) Shrubs e.g. Rose, Cotton  
(iv) Climbers e.g. Money Plant, Grapes
2. Trees that gives us fruits :  
(i) Mango, Apple, Coconut, etc.
3. 5 uses of plants :  
(i) Plants give us food.  
(ii) Plants give us medicine.  
(iii) Plants give us wood.  
(iv) Plants give us paper.  
(v) They give us oxygen.
4. Green plants need air (carbon di oxide), sun light, water, etc. to prepare food.
5. Wood of bamboo is used to make paper.



**G. Answer the following questions :**

- Ans.** 1. Some animals live in our farm. They help us in many ways. These animals are known as **farm animals**. e.g. cows, pig, chickens, goats etc.
2. The animals that live free in forests are called wild animals. e.g. Lions, Tigers etc.
3. We can find Lion, elephant, monkeys, horses etc. in the circus.
4. No
5. Some animals live in our farm. They help us in many ways. These animals are known as **farm animals**. e.g. cows, pig, chickens, goats etc.

**Activity**

Do it yourself

## 18. Our Earth

### Multiple Choice Questions

Tick (✓) the correct answer :

- Ans.** 1. (c)      2. (b)

### Exercise

**A. Oral Questions :**

- Ans.** 1. Air, water, food are necessary for life on the Earth.  
2. Sand storms are common in desert.

**B. Multiple Choice Questions :**

Tick (✓) the correct answer :

- Ans.** 1. (c)      2. (b)      3. (a)

**C. Unscramble the following words :**

- |                       |        |          |       |
|-----------------------|--------|----------|-------|
| <b>Ans.</b> 1. lapnet | planet | 2. nus   | sun   |
| 3. oonm               | moon   | 4. lbeu  | blue  |
| 5. unord              | round  | 6. olebg | globe |

**D. Fill in the blanks :**

- Ans.** 1. The shape of our Earth is **round**.  
2. **One-third** on the Earth is covered by land.  
3. Man has built bridges on the Earth **surface**.  
4. A model of the Earth is called a **globe**.

**E. Identify the pictures and write their names below :**

- Ans.** Hill      Mountain      Desert      River

**F. Match the following :**

- Ans.** 1. Ground • **Plains**  
2. Snow • **Mountains**  
3. Sand storm • **Deserts**  
4. Cold climate • **Hills**

**G. Answer the following questions :**

- Ans.** 1. Earth is a only planet to us where life exist. Earth is round in shape. The Earth when viewed from the moon looks blue.  
2. Globe is the model of Earth. All the continents and oceans can be seen on the globe..  
3. Mountains are very high hills.  
4. Man has brought many changes on the surface of Earth. Man has built buildings, factories, road, bridges, dams etc. on the Earth. He has cut down forest to make sky crappers.  
5. Snow melt on the mountains due to pressure and form river.

**Activity**

Find out and name three of each kind.

<b>Man-made things</b>	<b>Water bodies</b>	<b>Land forms</b>
1. Building	Clean	Desert
2. Furniture	Sea	Mountains
3. Vehicles	River	Hills

## 19. The Sun and Directions

**Multiple Choice Questions**

**Tick (✓) the correct answer :**

- Ans.** 1. (b)      2. (b)

### Exercise

**Section 1**

**A. Oral Questions :**

- Ans.** 1. Sun rises in the East.  
2. Sun is the only source of energy in the universe.  
3. (i) East (ii) West (iii) North and (iv) South

**B. Multiple Choice Questions :**

**Tick (✓) the correct answer :**

- Ans.** 1. (a)      2. (c)      3. (b)

**C. Circle the odd one out :**

- Ans.** 1. Sun                      Moon                      **Blue**  
2. East                      **Stars**                      West  
3. **Sound**                      Shadow                      Direction  
4. **Moon**                      Stars                      Sun

**D. Tick the correct word :**

- Ans.** 1. There are four main (directions/shadow).  
2. The sun is the source of (energy/electricity) in the universe.  
3. At (noon/night) the Sun is overhead.  
4. We go to (play/bed) at night.

**E. Fill in the blanks :**

- Ans.** 1. The Sun makes the plants **grow**.  
2. The Sun looks very **small** because it is very far from us.  
3. Shadows are **short** at noon.  
4. Shadows always fall on the **opposite** side of the source of light.

**F. Write True and False for the following statements :**

- Ans.** 1. True      2. True.      3. True      4. False      5. True

**G. Match the following :**

- Ans.** 1. Sun                                      • **hot gases**  
2. Moon                                      • **Cold**  
3. Stars                                      • **night**  
4. Day                                      • **24 hours**

**H. Answer the following questions :**

- Ans.** 1. The sun is only the source of energy because It gives us heat and light. Plants make their food with the help of sunlight and all of us depend on the plants for food. There would be no life on the earth without the sun.  
2. The sun is big balls of hot gases. It looks smaller because it is far from the Earth.  
3. The shadow is shorest at noon because the Sun is overhead at noon.  
4. A shadow is formed when anything comes in the way of light. As a result, a portion of darkness is seen.  
5. Yes; Sun moves from east to west. As the Earth rotates from west to east, it looks to us as if Sun is moving from east to west.

## Activity

Do it yourself

## 20. The Moon and The Stars

### Activity

Do yourself.

### Exercise

#### A. Oral Questions :

- Ans.** 1. The moon shines, when the sun rays fall on it.  
2. The surface of moon is rugged. Moon has only rocks and sand on its surface.  
3. Sun is a star because sun has its own light.

#### B. Multiple Choice Questions :

**Tick (✓) the correct answer :**

- Ans.** 1. (c)      2. (b)      3. (c)

#### C. Fill in the blanks :

- Ans.** 1. The only source of energy in universe is the **sun**.  
2. The full moon is seen only once in a **month**.  
3. The shape of the Earth is **round**.  
4. The moon is the **satellite** of the Earth.  
5. The stars **twinkle** at night.

#### D. Answer the following questions :

- Ans.** 1. There is no possibility of life on the moon, because there is no air and water on the moon.  
2. New moon : A moon when it appears as a thin curved line is called new moon.  
Full moon : The moon when it appears as a complete circle is called full moon.  
3. Waning : The process in which moon changes its shape and becomes smaller and smaller ever night is called **waning**.  
4. Waxing : The process in which moon changes its shapes and becomes bigger and bigger every night is called **waxing**.  
5. The period of 14 days in which we see crescent shaped moon after new moon's day is called dark fortnight.