

Elements of Science - 2

1. Types of Plants

A. Tick (✓) the correct answer.

1. (c) 2. (b) 3. (c) 4. (b) 5. (c)

B. Fill in the blanks with the correct words.

1. shrub 2. Trunks 3. climbers 4. root 5. food

C. Match the following.

- | | | |
|---------------|---|-------------|
| 1. Mango | — | (a) Herb |
| 2. Spinach | — | (b) Creeper |
| 3. Grapevine | — | (c) Shrub |
| 4. Rose | — | (d) Climber |
| 5. Watermelon | — | (e) Tree |

D. Short answer type question.

1. Monkeys and squirrels.
2. shrubs have woody and hard stem while Herbs have very soft stem.
3. The strong and woody stem is called trunk.
4. Trees are plants with strong and woody plant stem. Shrubs are plants which are small but have hard and woody stem. Herbs are small plants which have very soft stem. Climbers are plants with long, thin and weak stem. Creepers are plants which have very weak stem.

E. Answer the following questions.

1. Climbers are plants which need support of walls, sticks and other plants to stand erect. They have long, thin and weak stems such as pea plant, grapevine.
2. Plants are very useful to us as they give us shade, fruits and vegetables. They also clean the air around us.
3. Trees are big and strong plants which have strong and woody stem. They live for many years. For ex:- Mango, pine, banyan etc.
4. A plant has 7 parts, Seed, Root, Stem, Branches, Leaf, Flower and Fruit.
5. Stem carries water and minerals to the different parts of a plant while the root gives support to the plant. It also collects water and minerals from the soil.

Hots

If there is no root in the plant then it will be easily carried away by water, wind etc.

2. Uses of Plants

A. Tick (✓) the correct answer.

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

B. Fill in the blanks with the correct words.

1. mustard 2. fibres 3. juice
4. quinine 5. perfumes

C. Match the following.

- | | | |
|------------|---|---------------|
| 1. Wheat | — | (a) Vegetable |
| 2. Grams | — | (b) Fruit |
| 3. Spinach | — | (c) Spices |
| 4. Papaya | — | (d) Cereal |
| 5. Cinamon | — | (e) Pulses |

D. Short answer type questions.

1. Rice, Maize and wheat.
2. Spinach, Cabbage, Coriander.
3. Rose, Jasmine, Lavender.

E. Long answer type questions.

1. We obtain cotton and jute fibres from plants. These fibres are used to make ropes, bags etc.
2. We get rubber from the juice of rubber tree. It is used in making tyres and erasers.
3. Spices are used to make our food tastier as they bring flavour in food.

Hots

If there were no plants in our life, then we would get no food to eat and then die of hunger.

3. Useful Animals

A. Tick (✓) the correct answer.

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

B. Fill in the blanks by using words given below:

1. farm
2. Oxen
3. Dung
4. dog

C. Match the following:

- | | | |
|-----------|-------|--------------|
| 1. Milk | _____ | (a) Chicken |
| 2. Egg | _____ | (b) Honeybee |
| 3. Meat | _____ | (c) Cow dung |
| 4. Wax | _____ | (d) Cow |
| 5. Manure | _____ | (e) Hen |

D. Fill in the blanks with correct words.

1. Dog
2. Elephant
3. Goat
4. Silkworm

E. Short answer type questions:

1. They are animals which are kept at our farms or houses.
2. Chicken and Buffalo.
3. Cow and Buffalo.

F. Long answer type questions:

1. It is used to make silk clothes, we get silk fibres from silkworm.
2. Pet animals are animals which are kept at our home. Cat, Dog, Parrot can be kept as pets.
3. Animals helps us in many ways. Animals like cow and buffalo give us milk. Some animals carry loads. some animals are used to plough our field.

Hots

We are talking about either cow or buffalo.

4. Wild Animals

A. Tick (✓) the correct answer.

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

B. Fill in the blanks with correct words.

1. lion
2. monkey
3. cow
4. dead

C. Match the following.

- | | | |
|--------------|---|-------------|
| 1. Herbivore | — | (a) Bear |
| 2. Carnivore | — | (b) Vulture |
| 3. Omnivore | — | (c) Lion |
| 4. Scavenger | — | (d) Camel |

D. Short answer type questions.

1. They are animals which live in forest.
2. They eat the flesh of dead animals.
3. They are animals which eat both flesh and plants such as cat and dog.
4. They are animals which eat only plants. Such as Giraffe and zebra.

E. Long answer type questions.

1. Animals need shelter to protect themselves from sun, wind, rain etc.
2. (a) Birds live in nests
(b) Crocodiles live in water bodies
(c) Elephant lives in a place which is surrounded by thick forests.
3. Rabbits and snakes can make their own burrows and holes in the forest.
4. No, all animals don't have the same eating habits. Some only eat plants and are called herbivores. Some only eat flesh and are called carnivores. Some eat both flesh and plants and are called omnivores. Some animals eat only the flesh of dead animals and are called scavengers.

Hots

1. We can see wild animals in the zoo without going to the forest.
2. Some of the wild animals we can domesticate are elephant, rabbit etc.

5. Bones and Muscles

A. Tick (✓) the correct answer.

- | | | | |
|--------|--------|--------|--------|
| 1. (b) | 2. (c) | 3. (c) | 4. (c) |
|--------|--------|--------|--------|

B. Fill in the blanks with correct words.

- | | | | |
|----------|---------|-------------|-----------|
| 1. bones | 2. soft | 3. exercise | 4. strong |
|----------|---------|-------------|-----------|

C. Match the following.

- | | | |
|-------------------|---|------------------------------|
| 1. Knee and elbow | — | (a) Framework of bones |
| 2. Muscles | — | (b) Strong bones and muscles |
| 3. Exercise | — | (c) Joints |
| 4. Skeleton | — | (d) Soft |

D. Answer the following questions.

1. They are the hard parts of our body.
2. They are the soft parts below the skin.
3. We can have good posture by regularly keeping our body in right positions.
4. We must do exercise to keep our body healthy.

E. Long answer type questions.

1. They cover the bones and give shape to the body.
2. People use their muscles in doing works of daily routine like writing, running, holding things.

- Bones and muscles work together and help us to do things like run, write, walk, play and hold things. We can make them more strong by using them more and more and also by doing exercise.
- Joint is a place where two bones meet. We have joints like elbow joint, knee joint etc.

Hots

- Because Manu does exercise daily and also eats healthy food so he is strong and healthy.

6. Sense Organs

A. Tick (✓) the correct answer.

- (a)
- (b)
- (b)

B. Fill in the blanks with correct words.

- see
- A
- hear

C. Match the following.

- | | | |
|---------|---|-----------|
| 1. Eyes | — | (a) Smell |
| 2. Ears | — | (b) Hear |
| 3. Nose | — | (c) See |

D. Short answer type questions.

- Eyes, ears, nose, tongue, skin.
- It helps us to identify different smells.
- It helps us to know about the taste.

E. Long answer type questions.

- They are the organs which help us to know our environment. They are 5-eyes, ears, nose tongue and skin.
- We can take care fo our eyes by reading in proper light and not watch T.V. for long duration. We should eat healthy food and drink milk to keep our eyes healthy.
 - We should not watch T.V. too much.
 - We should clean our ears by an ear bud.
 - We should clean our nose regularly.
 - We should use a tongue cleaner while brushing.
 - We should take bath everyday.

Hots

Because in summer, our skin loses moisture and becomes dry.

7. Healthy Habits

A. Tick (✓) the correct answer.

- (b)
- (c)
- (c)

B. Fill in the blanks using correct words.

- life
- regular
- fruits
- daily

C. Match the following.

- | | | |
|--------------|---|-------------------|
| 1. Breakfast | — | (a) 8 p.m |
| 2. Lunch | — | (b) complete food |
| 3. Dinner | — | (c) 7.a.m |
| 4. Milk | — | (d) 1 p.m |

D. Short answer type questions.

1. It is a hole in the teeth caused by the germs which get stuck in our teeth.
2. Pulses and eggs.
3. They are substances in the food which our body needs to grow.

E. Long answer type questions.

1. We fall sick when we do not take care of our surroundings diet and body.
2. We can avoid skin infection by wearing clean clothes.
3. Healthy food habits help us to keep our body active, make our bones strong, and also help us to grow.
4. We should keep food covered as if food is uncovered, then flies will sit on it and leave germs which will make us sick.

Hots

They must rise early in the morning and by doing little things themselves and keeping their things at the proper place, they can keep the home in order and help their parents in daily routine.

8. Food for Good Health

A. Tick (✓) the correct answer.

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

B. Fill in the blanks with correct words.

1. healthy food
2. body building sources
3. energy

C. Match the following.

- | | | |
|-------------------|-------|------------------------|
| 1. Lunch | _____ | (a) Protective food |
| 2. Fruits | _____ | (b) Energy giving food |
| 3. Rice and bread | _____ | (c) Afternoon |

D. Short answer type questions.

1. They protect us from diseases.
2. We eat breakfast in the morning.
3. Energy-giving food give us energy to do work and play.

E. Long answer type questions.

1. Food is our basic need as we cannot live without food. It helps us to grow healthy and strong.
2. Energy-giving food · **Rice, Potato**
Protective Food · **Mango, Carrot**
Body-building food · **Meat, fish**
3. We eat three meals in a day. We take breakfast in the morning, lunch at afternoon and dinner at night.

Hots

Since Deepak is feeling tired, her mother should give chapaties or rice to eat as these are energy-giving foods.

9. Housing and Clothing

A. Tick (✓) the correct answer.

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

B. Fill in the blanks with words given in the box.

1. house
2. flat
3. igloo
4. caravan

C. Match the following.

- | | | |
|------------------|-------|----------------------|
| 1. Flat roofs | _____ | (a) Floats on water |
| 2. Sloping roofs | _____ | (b) House of clothes |
| 3. Houseboat | _____ | (c) Plains |
| 4. Tent | _____ | (d) Mountains |

D. Long answer type questions.

1. It protects us from heat, cold, rain, thieves and wild animals.
2. Flat roofs and sloping roofs.
3. It is a house made up of steel bricks and cement.
4. It is a house made up of mud, straw, bamboo and cow dung.

E. Long answer type questions.

1. We need a house to be safe from rain, cold, heat, thieves and wild animals.
2. They are semi-circular roof houses found in cold places. They are made from blocks of ice.
3. We wear clothes as they protect us from cold, heat, rain and many other things.
4. They are houses which can be moved from one place to another.

Hots

She should take with her woolen clothes as it is very cold in Kashmir.

10. Safety and First-Aid

A. Tick (✓) the correct answer.

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

B. Fill in the blanks with correct words.

1. careless
2. life
3. burnol

C. Match the following:

- | | | |
|---------------|---|---|
| 1. Antiseptic | — | (a) injury in bones |
| 2. First-aid | — | (b) prevent infection |
| 3. Fracture | — | (c) first help given to an injured person |

D. Short answer type questions.

1. It is the immediate help given to an injured person.
2. It refers to a crack in bone.
3. A sprain is an injury in a muscle.

E. Long answer type questions.

1. We would press the bleeding part tightly to stop bleeding using a clean cloth and then take him to an elder to get a dressing done.
2. We would put his burned legs under running cold tap water or put an ice pack on them and then apply burnol on it.
3. ORS is oral Rehydration Solution, we can prepare it at home by mixing salt and sugar with water.

Hots

Yes, by tying up ice-cubes in a clean cloth.

11. Air Around US

A. Tick (✓) the correct answer.

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

B. Fill in the blanks by using words given below.

1. feel
2. water vapour
3. dust particles

C. Match the following.



- (a) need air to breathe
- (b) contains dust
- (c) become dry due to sun's heat

D. Short answer type questions.

- 1. Air has water vapour and dust.
- 2. It is the mixing of harmful impurities in the air.

E. Long answer type questions:

- 1. We need air to breathe, so we can't service without it. Air is colourless and has no shape.
- 2. The major constituents of air are water vapour, smoke and dust.
- 3. It gets impure because of dust, smoke and harmful gases.

Hots

Because windows help air come inside the house and make it airy.

12. Weather and seasons

A. Tick (✓) the correct answer.

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

B. Match the following.

- 1. Summer _____ (a) Rainy Season
- 2. Winter _____ (b) Eat ice-cream
- 3. Monsoon _____ (c) Drink hot tea

D. Short answer type questions.

- 1. It refers to the day-to-day conditions of air of a particular place.
- 2. It is a particular weather that lasts for a long time.
- 3. The five main seasons of India are Summer, Winter, Rainy, Spring and Autumn.

E. Long answer type questions.

- 1. The weather of a place can be sunny, windy, cloudy, rainy or cold.
- 2. We wear woollen clothes in winter as they keep our body warm. We also eat hot food and drink hot tea, soups etc.
- 3. We wear light cotton clothes in summer as they keep us cool, we also eat ice-cream and drink cold drinks.

13. Water

A. Tick (✓) the correct answer.

- 1. (c) 2. (a) 3. (c)

B. Fill in the blanks using correct words.

- 1. water 2. impure 3. pipes 4. shape

C. Match the following.

1.



(a) removes dirt from water

2.



(b) main source of water

3.



(c) kills germs

D. Short answer type questions.

1. Rain, river, lake and sea are the main sources of water.
2. When water freezes, ice is formed.

E. Long answer type questions.

1. We need water for bathing, drinking, cooking, washing and cleaning.
2. We can purify water at home by boiling it or using water filter.
3. Ice (solid), water (liquid) and water vapour (gaseous) are the three states of water.

Hosts

It melts because the room temperature is more than its melting point.

14. Rocks and Minerals

A. Tick (✓) the correct answer.

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

B. Fill in the blanks using correct words.

1. Coal 2. hard 3. Diamond 4. gemstones

C. Match the following.

- | | |
|--------------|----------------------|
| 1. Taj Mahal | (a) Slate |
| 2. Red Fort | (b) Blackboard |
| 3. Coal | (c) Sandstone |
| 4. Chalk | (d) White Marble |
| 5. Soft rock | (e) used for cooking |

D. Short answer type questions.

1. Mica, quartz.
2. Ruby, emerald
3. Taj Mahal and Red Fort

E. Long answer type questions.

1. They are hard, solid materials which form part of the surface of the earth.
2. Hard Rocks are used for making buildings like granite, marble Soft Rocks are used for making blackboards, chalk pieces and used also as a fuel. Gemstones are hard rocks which are beautiful and expensive.

3. They are substances which make rocks. They are usually found in groups. Mica and quartz are two common minerals which make rocks.

Hots

Root is the most important part of a plant. It absorbs water and minerals from the soil. Which is essential for the plant. Root also helps the plant to stand firmly above the soil. In the absence of root neither it can get and mineral not it can stand upright.

15. Sun and the Solar System

A. Tick (✓) the correct answer.

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

B. Fill in the blanks using correct words.

1. heat 2. sun 3. eight

C. Match the following.

- | | | |
|------------|-------|----------------------|
| 1. Mercury | _____ | (a) Planet with ring |
| 2. Mars | _____ | (b) Dwarf planet |
| 3. Saturn | _____ | (c) Smallest planet |
| 4. Pluto | _____ | (d) Red planet |

D. Short answer type questions.

1. Days and night formed on the earth because of earth's rotation.
2. Meteor is a tiny piece of rock which enters the atmosphere. And that meteor which hits the surface of the earth is called a meteorite.
3. We get heat and light from the sun.

E. Long answer type questions.

1. A star is a heavenly body having its own heat and light like the sun. A planet is a heavenly body which moves around a star like the earth. A satellite is a heavenly body which moves around a star like the moon.
2. Comets too revolve around the sun but they are not like planets as they have a tail of burning gases. For ex:- Halley's Comet.
3. Meteors are tiny pieces of rock which enter the earth's atmosphere.

Hots

Earlier pluto was one of nine planets in our solar system. But in 2006, it was reclassified from a planet to a dwarf planet.

Model Test Paper - 1.

A. Short answer type questions.

1. Monkey and Squirrel
2. They are used to make the food tastier.
3. Cow, Buffalo and Goat.
4. To protect themselves from heat, cold, wind, rain and predators.
5. They help us to run, walk, read, write, hold onto things etc,

B. Long answer type questions.

1. They are the organs which help us to know our environment. We can take care of them by:
 - (i) not watching T.V. too much
 - (ii) not reading in dim light.

- (iii) not cleaning our ears by sharp things.
 - (iv) cleaning our tongue after brushing.
 - (v) taking a bath regularly.
2. Healthy food habits help us keep our body active, make our bones strong and also help us to grow.
 3. It is a place where two bones meet in a body such as the elbow and knee joints.
 4. Pet animals are animals which are kept at our home. Cat, dog, Parrot can be kept as pets.

C. Tick (✓) the correct option.

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

D. Match the following.

- | | |
|-----------|-----------|
| 1. Eyes | (a) hear |
| 2. Nose | (b) taste |
| 3. Ears | (c) touch |
| 4. Tongue | (d) smell |
| 5. Skin | (e) see |

Model Test Paper - 2.

A. Short answer type questions.

1. It is a hold in the teeth caused by the germs which get stuck in our teeth.
2. Food is our basic need as we cannot live without food. It helps us to grow healthy and strong.
3. It is a house made up of mud, wood, straw and bamboo.
4. It is the immediate help given to an injured person.
5. Air consists of water vapour, smoke and dust.

B. Long answer type questions.

1. The weather of a place can be sunny, windy, cloudy, rainy or cold.
2. The three states of water are · solid, Liquid and gaseous.
Ice, water and water vapour.
3. They are substances which make rocks and are usually found in groups. Mica and quartz are two common minerals which make rocks.
4. A meteor is a tiny piece of rock which enters the atmosphere. And that meteor which hits the surface of the earth is called a meteorite.

C. Fill in the blanks.

1. eight 2. gemstones 3. shape
4. water vapour 5. burnol

D. Match the following.

- | | |
|--------------|----------------------|
| 1. Taj Mahal | (a) Slate |
| 2. Red Fort | (b) Blackboard |
| 3. Coal | (c) Sandstone |
| 4. Chalk | (d) White Marble |
| 5. Soft rock | (e) Used for cooking |