

# Elements of Science - 1

## 1. Living and Non-living Things

### A. Tick (✓) the correct answer.

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

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

1. grow      2. young      3. non-living      4. man-made

### C. Match the following.

1. Living thing — (a) Table  
2. Natural thing — (b) Elephant  
3. Man-made thing — (c) Mountain

### D. Short answer type questions.

1. No, non-living things do not breathe.
2. The things made by man are called man-made things.
3. Mountain, river are natural non-living things.

### E. Long answer type questions.

1. Things that do not eat, breathe, grow, feel and move are called non-living things. For example mountains and river.
2. Chair is not a living thing as it does not eat, breathe or move on its own.
3. Things that are created by nature are called natural things.

### Hots

1. The things that move on its own is called living thing. A car cannot move on its own. It moves when we make it move. So car is not a living thing.
2. Living things produce young ones So that life on earth can continue.

## 2. Plants Around Us

### A. Tick (✓) the correct answer.

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

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

1. straight      2. shrub      3. baby plant      4. air

### C. Match the following.

1. Tree — (a) Coriander  
2. Shrub — (b) Grapevine  
3. Herb — (c) Baby plant  
4. Climber — (d) Mango  
5. Seed — (e) Rose

### D. Short answer type questions.

1. Trees      2. The plants which have thorns are called thorny plants.
3. (i) Rose      (ii) Cotton      4. Root

### E. Long answer type questions.

1. Small plants which are very small with soft stems are called herbs. Mint, tulsi and coriander are herbs.
2. The plants which are weak and cannot stand on their own are called climbers. They need support to grow. Money plant, pea plant and grapevine are climbers.

- Plants are divided mainly in to two parts - stem and the root.
- Plants grow from seeds.

**Hots**

- Money plant is a climber.
- Thorns

**3. Animals Around Us**

**A. Tick (✓) the correct answer.**

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

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

- small
- wild
- forests
- useful
- fly

**C. Match the following.**

- |               |                     |
|---------------|---------------------|
| 1. Rhinoceros | (a) Pet animal      |
| 2. Camel      | (b) Water animal    |
| 3. Dog        | (c) Wings           |
| 4. Fish       | (d) Wild animal     |
| 5. Birds      | (e) Domestic animal |

**D. Give one example for each of the following.**

- Camel
- Cat
- Lion

**E. Short answer type questions.**

- Animals which live in forests are called wild animals. Tiger, bear and zebra are wild animals.
- An insect has six legs.
- Elephant

**F. Long answer type questions.**

- Animals which live in forests are called wild animals. Tiger, bear and zebra are wild animals.
- Animals which live in our homes and farm called domestic animals. Cow and cat are domestic animals.
- Birds fly with their wings. Crow, pigeon and parrot are birds.
- An insect has six legs.
- Fish and seal are water animals.

**Hots**

Wings help birds to fly.

**4. Food and Shelter of Animals**

**A. Tick (✓) the correct answer.**

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

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

- ground
- holes
- shades
- holes

**C. Match the following.**

- |          |            |
|----------|------------|
| 1. Horse | (a) Coop   |
| 2. Dog   | (b) Stable |
| 3. Cow   | (c) Kennel |
| 4. Hen   | (d) Shed   |

**D. Short answer type questions.**

- Snakes and rates.
- Animals which live in the house made by us are called pet animals.
- Monkey.
- Rats, hens and sparrows eat grains.

### E. Long answer type questions.

1. Animals need home to protect themselves from cold, heat, wind and rain.
2. The animals that eat leaves stems and fruits of plants are called herbivores. Cow, deer and goat are herbivores.
3. The animals that eat flesh or meat of other animals are called carnivorous. Lion, tiger and fox are carnivorous.

### Hots

1. Animals need a home to protect themselves from cold, heat, wind, rain and enemies.
2. Pet animals.

## 5. Food We Eat

### A. Tick (✓) the correct answer.

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

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

1. energy
2. breakfast
3. dinner
4. meal
5. stale

### C. Match the following.

- |                       |       |               |
|-----------------------|-------|---------------|
| 1. Capsicum           | _____ | (a) oil       |
| 2. Papaya             | _____ | (b) cereal    |
| 3. Lobia and soyabean | _____ | (c) vegetable |
| 4. Maize              | _____ | (d) pulses    |
| 5. Mustard            | _____ | (e) fruit     |

### D. Give two examples for each of the following.

- |                  |                    |
|------------------|--------------------|
| 1. Apple, Banana | 2. Potato, Brinjal |
| 3. Moong, Masoor | 4. Cheese, Butter  |

### E. Short answer type questions.

1. Food
2. cow, buffalo, goat
3. Goat

### F. Long answer type questions.

1. We need food to grow and stay healthy.
2. Breakfast, lunch, dinner
3. Milk, eggs, ghee, dal, roti are healthy foods.
4. We should not eat stale food because stale food contains germs. These germs can make us sick.
5. (i) We should wash our hand before and after eating food.  
(ii) We should eat our meals on time.  
(iii) We should eat fresh and well cooked food.

### Hots

We should eat healthy food.

## 6. House We Live in

### A. Tick (✓) the correct answer.

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

### B. What are the following rooms used for.

- |                     |                 |
|---------------------|-----------------|
| 1. Sleeping         | 2. Cooking food |
| 3. To welcome guest | 4. To take bath |

### C. Fill in the blanks by using the words given below.

1. bedroom
2. kitchen
3. guests
4. washroom

#### D. Short answer type questions.

1. A hut is a kuccha house.
2. A bungalow is a pucca house.
3. We eat food in kitchen.
4. Mother cook food in kitchen.

#### E. Long answer type questions.

1. We need a house to live in.
2. The different kinds of houses are pucca house and kutchra house.
3. A big house has many rooms like bedroom, drawing room, dining room, kitchen, bathroom, study room and store room.
4. We should keep our homes clean by daily cleaning them with a broom.

#### Hots

We use curtains on doors and windows to keep away the dust.

### 7. Clothes We Wear

#### A. Tick (✓) the correct answer.

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

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

1. cover
2. cotton
3. woollen
4. dry
5. clean

#### C. Match the following.

- |                                     |  |                   |
|-------------------------------------|--|-------------------|
| 1. Shirt, t-shirt and shorts        |  | (a) Rainy Season  |
| 2. Muffler and sweater              |  | (b) Turban        |
| 3. Raincoat and umbrella            |  | (c) Summer Season |
| 4. Long piece of cloth tied on head |  | (d) Winter Season |

#### D. Short answer type questions.

1. We need clothes to cover our body.
2. We wear cotton clothes in summer season and woollen clothes in winter season.
3. Jacket, Sweater
4. We wear cotton clothes in summer because cotton clothes keep us cool.

#### E. Long answer type questions.

1. Clothes are your basic need. We wear them to cover our body.
2. In summer season, we do wear cotton clothes, which keep us cool.
3. In winter season, we do wear woollen clothes, which keep us warm.
4. Clothes which are worn according to the work a person does are called uniforms.

#### Hots

People wear special clothes called uniform because the uniform tells us about the type of work a person does.

### 8. Our Body

#### A. Tick (✓) the correct answer.

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

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

1. five
2. nose
3. fingers
4. Pray

**C. Match the following.**

- 1. Beautiful shape ————— (a) Nose
- 2. Sweet taste ————— (b) Eyes
- 3. Pleasant smell ————— (c) Tongue

**D. Short answer type questions.**

- 1. Our hands help us to write and draw.
- 2. Our legs help us to walk and run.
- 3. We have five sense organs.
- 4. Our skin helps us to feel.

**E. Long answer type questions.**

- 1. We can see the world around us with the help of our eyes.
- 2. They are the organs which help us to sense the world around us.
- 3. We can hear different sounds with the help of our ears.
- 4. Our tongue helps us to feel different tastes.

**Hots**

Our entire body is covered with skin.

**9. Keep Healthy**

**A. Tick (✓) the correct answer.**

- 1. (b)      2. (a)      3. (c)

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

- 1. play      2. milk      3. healthy      4. straight

**C. Short answer type questions.**

- 1. 6-8 glass of water daily.
- 2. An activity which we do in our free time.
- 3. It makes our body healthy and strong.

**D. Long answer type questions.**

- 1. Rest makes our body fresh.
- 2. A sleep of eight hours gives complete rest to our body.
- 3. Exercise makes our body healthy and strong.

**Hots**

- 1. Eight hours of sleep is a must for everyone as it gives complete rest to the body.
- 2. We need recreation when we feel tired after work and play.

**10. Safety Rules**

**A. Tick (✓) the correct answer.**

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

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

- 1. danger      2. left      3. zebra      4. shoes      5. parents

**C. Match the following.**

- 1. While crossing the road use ————— (a) before getting in or out
- 2. Throw a used match stick in a ————— (b) zebra crossing
- 3. Wait for a bus to stop ————— (c) swimming
- 4. Never go alone for ————— (d) dustbin
- 5. Always play in ————— (e) open and safe place

**D. Short answer type questions.**

1. Carelessness
2. We should walk on the left.
3. It is given before the arrival of a doctor.
4. We can get drowned in deep water.

**E. Long answer type questions.**

1. (a) Always wait in a queue for bus.  
(b) Do not run on the road.
2. (a) Playing near the road.  
(b) Pushing each other when playing.
3. (a) Always go for swimming with an adult person.  
(b) Do not go in deep water.
4. So that we can give pre-treatment to a person who is hurt.

**Hots**

1. A wet blanket will be most helpful for him.
2. Because we can slip and hurt ourselves while running in the room.

**11. Air**

**A. Tick (✓) the correct answer.**

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

**B. Fill in the blanks.**

1. air
2. breathe
3. wind
4. balloons

**C. Match the following.**

1. Moving air — (a) is called breeze.
2. Gentle air — (b) is called wind.
3. Fast moving air — (c) filled in footballs and balloons
4. Air can be — (d) is called storm.

**D. Short answer type questions.**

1. No we cannot see air.
2. These are small openings on leaves through which plants breathe.
3. They breathe through their gills.
4. When smoke and harmful gases get mixed with air, the air is polluted.

**E. Long answer type questions.**

1. We need air to breathe.
2. (a) It helps us to breathe. (b) It moves the sailboats.  
(c) It is needed for burring.
3. (a) By smoke from fires. (b) By smoke from factories.  
(c) By smoke from cars, buses etc.
4. We should grow more plants to keep air clean.

**Hots**

We feel fresh under a tree as the tree keeps the air fresh and clean.

**12. Water**

**A. Tick (✓) the correct answer.**

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





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

1. precious
2. clean
3. survive
4. wash
5. waste

**C. Write two examples for each of the following.**

1. River, Pond
2. Drinking, Bathing

**D. Match the following.**

(a)  (b)  (c)  (d) 

1. Bathing      2. Washing      3. Cleaning      4. Cooking

**E. Short answer type questions.**

1. Rain is the main source of water.
2. A deep hole in ground from which we take out water.
3. Because it is essential for our life.
4. 8 to 10 glasses of water daily.

**F. Long answer type questions.**

1. We find water in rivers, lakes, ponds, wells and seas.
2. It is collected in all the sources of water like, wells, ponds, lakes and rivers etc.
3. Water is used for drinking, bathing, cooking and cleaning.
4. We should not throw waste in water bodies as it will make the water dirty.

**Hots**

I will use water stored in a bucket as it will take much less water to clean my vehicle.

**13. Weather**

**A. Tick (✓) the correct answer.**

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

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

1. Rain      2. cotton      3. woollen      4. warm      5. sun

**C. Match the following.**

1. Hot days — (a) Monsoon  
2. Cold days — (b) Spring  
3. Rainy days — (c) Autumn  
4. Pleasant day — (d) Summer  
5. Trees shed their leaves — (e) Winter

**D. Short answer type questions.**

1. When the sun shines brightly and we feel very hot.
2. Hot soups, coffee and tea.      3. It is called a storm.
4. It means a change in weather.

**E. Long answer type questions.**

1. The changes in weather are caused by the sun, the wind and the rain.
2. We like to eat ice-creams and have cold drinks.
3. We use umbrellas and rain coats on the rainy days.
4. We like to drink hot soups, coffee and tea to keep ourselves warm.

## Hots

The falling raindrops divide the white sunlight into 7 different colours - violet, indigo, blue, green, yellow, orange and red to make a rainbow.

### 14. Our Earth

#### A. Tick (✓) the correct answer.

1. (c)      2. (c)      3. (c)

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

1. Globe      2. earth      3. even      4. clean

#### C. Match the following.

- |                               |   |               |
|-------------------------------|---|---------------|
| 1. Flat land                  | — | (a) valley    |
| 2. Low mountains              | — | (b) hills     |
| 3. Very high land             | — | (c) mountains |
| 4. Low land between two hills | — | (d) plain     |

#### D. Short answer type questions.

1. It shows water.                      2. It shows land.  
3. It is a very high land.              4. It is the low land between two hills.

#### E. Long answer type questions.

1. A globe is a model of earth.  
2. We make houses on the land. We also grow foodgrains, fruits and vegetables on it.  
3. Mountain and Valley.  
4. The low land between two hills is called a valley.

## Hots

1. Water                      2. Earth

### 15. The Sun, The Moon and The Stars

#### A. Tick (✓) the correct answer.

1. (c)      2. (a)      3. (a)

#### B. Fill in the blanks using the correct words.

1. rises      2. light      3. night

#### C. Short answer type questions.

1. Heat and light.                      2. Sunset brings the night.  
3. Indians call it Dhruva Nakshatra.

#### D. Long answer type questions.

1. We see the moon and the stars.  
2. No, the shape of the moon changes every night.  
3. It gives heat and light which all the plants and animals need from the Sun to live.

## Hots

It is because, the sun is very, very close to the earth as compared to the other stars. The more closer a star, the more it is bright.

### Model Test Paper - 1

#### A. Short answer type questions.

1. Mango                                      2. It lives in a cave.  
3. We wear cotton clothes in the summer season.

4. We take bath in the bathroom.                      5. Sweater

**B. Long answer type questions.**

1. Soft plants which are very small with very weak stems are called herbs. Such as mint, tulsi, coriander.
2. Herbivores are plant eating animals. Such as hens, cows, squirrels.
3. We need clothes to cover our body from heat, cold, rain, and dust.
4. Morning walk is the best exercise for keeping ourselves fit.

**C. Tick (✓) the correct answer.**

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

**D. Match the following.**

- |                       |       |               |
|-----------------------|-------|---------------|
| 1. Capsicum           | _____ | (a) oil       |
| 2. Papaya             | _____ | (b) cereal    |
| 3. Lobia and soyabean | _____ | (c) vegetable |
| 4. Maize              | _____ | (d) pulses    |
| 5. Mustard            | _____ | (e) fruit     |

**Model Test Paper - 2**

**A. Short answer type questions.**

1. It is an activity which we do in our spare time.
2. It means protection from danger.
3. Rain
4. In the rainy season.
5. These are very small mountains.
6. The shape of earth is round.

**B. Long answer type questions.**

1. We make houses on the land and grow foodgrains, fruits and vegetables on the land.
2. The sun, the wind and the rain cause the change in weather.
3. (i) By smoke from fires.                      (ii) By smoke from factories.  
(iii) By smoke from vehicles.
4. To give pre-treatment to anyone who is hurt before the doctor arrives.

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

1. danger                      2. play                      3. shoes  
4. air                      5. wind                      6. survive

**D. Define the following.**

**Weather :** It is the condition of air at any point of time and place.

**Storm :** Fast moving wind is also called storm.

**Valley :** It refers to the low land between the two hills.