

# Chapter no 1

Short answer questions:

**1: what is the role of bones in our body?**

Ans: Bones gives support to our body.

Bones protect soft parts of our body like heart, brain etc.

Bones give shape to our body.

**2: Write the function of brain?**

**Answer:** brain control all the function of our body. Brain receives information and decides how to respond e: g laugh and cry.

**3: Differentiate between milk teeth and permanent teeth?**

**Answer:**

Milk teeth	Permanent teeth
It is the first set of the teeth.	It is second set of teeth.
It start at the age of six month.	It starts at the age of 5-6 years.
These are 20 in numbers.	These are 32 in numbers.

**4: write two ways of take Care of your skin?**

**Answer:**

1: wash your skin properly.

2: Don't expose your skin to dust and heat.

**5: what would happen if your body had no joint?**

**Answer:** If our body had no joint then we cannot move.

**6: how does dengue fever spread?**

**Answer:** it is spread by ades mosquito.

**7: state important preventive measures for dengue fever?**

**Answer:**

1: apply mosquito repellent lotion.

2: sleep under mosquito net

**5: write briefly functions of brain heart and lungs.**

**Function of brain:**

Brain control all function of body.

**Function of heats:**

Heart pump the blood to all parts of body.

**Function of lungs:**

Lungs help in breathing.

**1.6: how do bones and muscles help in the movement?**

**Answer:**

A bone is attached to the muscles <sup>for</sup> for movement. Muscles can move a bone when contract <sup>or</sup> relax.

**1.7: write importance of healthy food? Why does the doctor advise us not to take unhealthy food?**

Answer: healthy food helps us in in growth and make us strong. Doctors advise us not to take un healthy food because it is harmful to our health.

## Chapter no 2

### Characteristics and needs of living things

#### Short questions answers

**1: name the factors which play an important role in the survival of living Thing?**

Answer: living things need food, water, air and light for survival.

**2: A car move for place to place it also uses petrol as fuel can you call it living thing?**

Answer: no, we cannot call it living thing because it cannot grow.

**3: what is growth?**

**Answer**

A continuous increase in the size of living thing is called growth.

**4: how are you different from your parents?**

**Answer**

We can be different from our parents in eye color, hair color height.

**2.4 which factors are necessary the survival of plants and animals? Discuss in detail?**

**Answer;**

**Food:** living think <sup>g</sup> g need food to live and grow.

**Water:** all plants and animals water for survival.

**Air:** air is use for breathing

**Light:** animals and plants need light energy to grow make their food

**2.5: describe the physical characteristics of living things?**

**Answer:**

1: Movement: living thing can move but non-living things cannot move.

2: Growth: living thing grow in size

3: reproduction: living things produce their young ones.

**2.6 Discuss the life cycle of plants?**

**Answers:**

- Life cycle being with seed
- The small roots appear.
- Shoot arises.
- This shoot grows and changes into seedling is a small plant with few leaves.
- This changes into a young plant
- This young plant became an adult plant and producers fruit.

## Chapter no 3

**Food and health**

**Short answer:**

**1: why do we need food?**

Answer: we need food to live and grow.

**2: what are the basic food group essential for good health?**

Answer:

There are six basic food

1: carbohydrate

2: protein

3: fats

4: vitamins

5: minerals

6: waters

**3: give some examples of food each from the group?**

Answer

Carbohydrate: wheat, rice

Fats: meat fish egg

Vitamins: green vegetables, fruits

Minerals: green vegetables, fruits

Water: watermelon, milk

**4; why are carbohydrates essential for us?**

Answer; carbohydrates keep our body working.

It is important for proper working of brain, heart and kidney.

**5: name two specific functions and sources of protein?**

Answer;

functions: it grows our body.

It repairs damaged parts of body.

Sources:

Meat fish egg milk, pulses, nuts, seeds, peas, beans.

**(Vi): name two specific functions and source of fats?**

Answer

**Function:**

It protects body from temperature changes

Fats protect our major organs like hearts, kidney etc.

**Sources:**

Ghee, butter, fats of meat, fish, olive oil, coconut oil, corn.

**(vii): what is the use of vitamins and minerals?**

Answer:

Vitamins and minerals are used for growth and good health.

**(viii): how else can you get water in your diet besides drinking it?**

**Answer:**

We can get water from the food like watermelon, milk juice besides drinking it.

**(ix): Name sources of vitamins and minerals?**

Answer: source of vitamins:

Green vegetables, fruits, egg, milk, sea food.

Source of minerals:

Green vegetables, fruits egg milk

**(x): what would happen with your body if you eat only from one food group?**

Answer

If we eat only from one food group we cannot get all the nutrient which are necessary for our body.

**(xi): how can you get enough of all the nutrient in your diet?**

Answer

We can get enough of all the nutrient by taking balance diet.

**(xii) :why it is important to eat food from all the food group?**

Answer:

It is important to eat food from all the food group to get all nutrient which are necessary for ours body.

## Chapter no 4

### Living thing and the environment

#### Short question

**1: define environment in your own words?**

Answer: Everything (living thing and non-living thing) <sup>around us</sup> ~~in and around an~~ organism. is called environment.

**2: what are producer consumer and decomposers?**

Answer:

**Producer:** plants can produce for themselves and for all others organisms. that is why they call producer

**Consumers:** animals who cannot prepare their food for themselves.

E: g lion

**Decomposers:** it decomposes (break down) the dead bodies of animals plants into simple components.

Example: bacteria

**3: what is meant by herbivores, carnivore, and omnivores?**

**Answer:**

**Herbivores:** the animals can only eat plants.

**Examples:** cow goat horse rabbit.

**Carnivores:** the animals can eat meat are called carnivores.

**Example:** lion, tiger.

**Omnivores:** the animals who can eat both plants and meat is called omnivores.

**Example:** bear monkey human being

**4: name any two examples each of the following**

(a) Land environment (b) water environment

**Answer:**

(a) lion, snake

(b) fish, dolphin

**5: would a dolphin survive in grass land? Argue yes or no?**

**Answer:** no it would not survive in a grass land because it needs water

**4.6 producer, consumer and decomposers depend on each other. They need one another for survival what will happen if they were not decomposers?**

**Answers:** if there were no decomposers then the heap of garbage and dead bodies would be present everywhere.

**4.7: a tadpole eat alga which can make its own food. A tadpole can be eaten by a pond skater; the skater is eaten by a frog or beetle is eaten by kingfisher (a type of bird) write down two food chain by given information?**

**Answer: food chain 1:**

Plants → caterpillar → rat → snake → owl

**Food chain 2:**

Sun → Algae → tadpole → dragonfly → frog → turtle → decomposer

**4.8: sparrow eats rice grain and locusts eat rice plants farmer are taught that by killing the sparrow they would have a good harvest of rice is this correct? Why?**

**Answer:** No, there would not be good harvest of the rice crop so if sparrow is killed then there will be a lot of insects who damage crop.

different kinds of living organisms on the basis of their eating habits?

**Answer:**

Living organisms can be different from each other by their eating habits

**Herbivores:** animals that eat plants are called herbivores

**Example:** cow, rabbit, goat

**Carnivores:** animals that eat meat

**Example:** lion, tiger

**Omnivores:** animals that eat meat and plants are called omnivores.

**4.9: what is meant by a food chain?**

**Answer:** A <sup>link</sup> link for eating and being eaten among the organism.

**Example:** a rat eats seeds of plants the rat is eaten by a snake and the snake is hunted by an owl.

## Chapter no 5

### Matter and its states

#### Short question

Define the following?

(1) matter

(2) Mass

(3) Volume

(4) Mixture

(5) Decantation

(6) Filtration

**Answer:**

**Matter:** anything that has mass and occupies space is called matter.

**Example:** ice, water, ball steam.

**Mass:** the amount of <sup>matter</sup> water in an object is called its mass

**Example:** elephant has more mass than a cat.

**Volume:** the space occupied by an object.

**Example:** a water melon has more volume than a lemon.

**Mixture:** a mixture is a sample of matters having two or more things mixed with each other.

**Example:** lassi, yoghurt, fruit juice

**Decantation:**

Separation of heavier and in soluble solid from its liquid mixture by pouring the liquid carefully into another container is called decantation.

**Filtration:**

Separation of insoluble and suspended solid from its liquid mixture by passing the mixture through filter paper is called filtration.

**5.5 describe he properties of the following**

(i) Solids (ii) liquid (iii) gases

**Answer:**

**Properties of solid:**

1 having fixed volume

2 having fixed shape

**Properties of liquid;**

1 having fixed volume

2 no fixed shape

**Properties of gases:**

1 no fixed volume

2 no fixed shape

**5.6 describe the effect of heat on the following**

(I) Solid

(ii) Liquid

(iii) Gas

**Effect of the heat on the solid:**

1 Melting on heating

2 Change into their liquid state



**Effect of heat on liquid:**

- 1 Liquid boil on heating
- 2 Change their gaseous state

**Effect of heat on gas:**

- 1 gas expand on heating
- 2 increase their pressure in the container

**Describe the process of filtration?**

**Answer:**

Filtration is the method of separation insoluble components or a mixture. In this method the mixture is passed through a porous sheet like filter paper or cotton cloth or a Steiner. *stainer*.

**5.8: make a list of six solids four liquids and three gases from the things found in your kitchen?**

Solids	liquids	Gases
Cup	Milk	Oxygen
Plates	Water	Carbon
oven	Oil	Steam
Pan	Juice	
Spoons		
Glass		

**5.10 name a drink which can be prepared by mixing a solid liquid and a gas?**

Answer: soda water

**5.11 Why is it necessary to boil water before drinking?**

**Answer:**

It is necessary to boil water before drinking to kill germs.

## Chapter no 6

### Temperature and its measurements

**6.3 answer question**