**Pg. no.** 1

Mushroom, zebra, man

Car , ball, chair

**Pg. no.** 2

Water, Land , Water

Water, Land, Land

**Pg. no.**3

1. LUNGS
2. GILLS
3. TRACHEAE
4. STOMATA
5. LUNGS
6. BY TAKING AIR IN THOUGH THEIR NOSTRILS AND DOWN INTO THEIR LUNGS.
7. BOTH THE NOSE AND MOUTH

**PG. NO.** 4

1. BABY MAN
2. CATTERPILLAR BUTTERFLY
3. PLANT TREE
4. CALF CON

**PG.NO.** 5

1. FLY, FLUTTER
2. GLIDE, SLITHER
3. RUN,GALLOP
4. Fly

**PG. NO.** 6

1. MAN MADE
2. FOOD
3. EARTH
4. MOVE
5. SUNLIGHT

**PG. NO.** 7

1. True
2. False
3. True
4. True
5. False
6. True
7. True

**Pg. no.** 8

Energy, Air, water , nutrients , shelter/space .

**Pg. no.**9

Leaf

Flower

Stem

Branch

Root

**PG.NO.**10

Matching

**Pg. no.** 11

1. Flower
2. Stem
3. Leaves
4. Fruit
5. Roots
6. Seed

**Pg. no.** 12

1. Chlorophyll
2. Leaf
3. Fruit
4. Fibrous
5. Sugar

**PG.NO.** 13

1. False
2. False
3. True
4. False
5. False
6. False
7. True

**Pg. no.** 14

Picture of tap root and fibrous root

**Pg. no.** 15

1. Grass
2. Bone
3. Shrimp
4. Milk

**Pg. no.** 16

1. Sheep
2. Cow
3. Hen
4. Honey bee

**Pg. no.** 17

 Coop chick

 Insects

 Burrow Kit

 Grass

**Pg. no.** 18

1. Aquatic
2. Ostrich
3. Babies
4. Duckling
5. Wings

**Pg. no.** 19

1. Puppy
2. Vertebrates
3. Invertebrates
4. Amphibians
5. Cow

**Pg. no.** 20

2,5,4,1,6,3

**Pg. no.** 21

1,3,2

**Pg. no.** 22

Germination seed

Seedling seed

Young plant

Adult plant

**Pg. no.** 23

Eggs

Tadpole

Tadpole with legs

Frog let

Adult frog

**PG.NO.**24

1. Grasshopper
2. Butterfly
3. Aunt
4. Cockroach
5. Bug
6. Honey bee

**Pg. no.** 25

W - WINGS

1. ANTENNAE

E- EYE

L- LEGS

S- STINGER

**PG. NO.** 26

 Diagram

**Pg. no.** 27

(I)

1. Needle
2. Tree
3. Cut, wood, stem
4. Webbed
5. Sharp

(II)

a.True b.True c.Fals d.Fals e.True

**Pg. no.** 28

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

**Pg. no.** 28

1. 2
2. 4
3. 4
4. 3
5. 2

**Pg. no.** 29

1. Strong, sharp, hooked
2. Strong, hard and sharp
3. Short, hard and pointed beak
4. Broad and flat

**Pg. no.** 30

1. T
2. T
3. No
4. T
5. T
6. T

**Pg. no.** 31

1. Crow – insects, seeds, worms.
2. Sparrow – millet, corn and sunflower seeds.
3. Parrot – fruits, green chili.
4. Pigeon – grains, seeds, fruits, insects, earthworms.

**Pg. no.** 32

Birds insect animals

Owl bee tiger

Parrot spider cow

Eagle mosquito bear

Penguin squirrel deer

Kingfisher ant

 wasp

**Pg. no.** 33

1. They have short, fat beaks that are shaped like cones.
2. The claws in chickens are relatively short and not greatly curved and serve the function of scratching.
3. Ostrich is the largest bird in the world having the largest eyes in the whole animal kingdom that are even bigger than its brain. An ostrich's eyes are about 2 inches (5 centimeters) in diameter, i.e. almost of the size of a billiard ball.

**Pg. no.** 34

1. e
2. d
3. b
4. a
5. c

**Pg. no 35**

1-d

2-e

3-a

4-c

5-f

6-b

7-g

**Pg. no.** 36

Head mouth

Chest shoulder

Hand elbow

Knee thigh

Foot leg

**Pg. no.**37

1. Heart
2. .
3. Liver
4. .
5. .
6. .
7. .
8. 10 to 16 feet
9. Lungs
10. Neuron
11. Pounds
12. Skull

**Pg. no.** 38

Ears

Nose

Skin

Tongue

Eyes

**Pg. no.**39

1. Cells are the basic building blocks of all living things.
2. A group of cells which is meant to perform a specific function is called tissue.
3. An organ is a self-contained group of tissues that performs a specific function in the body.
4. The skull is a bony structure that forms the head in vertebrates. It supports the structures of the face and provides a protective cavity for the brain
5. Joints can be defined as a point where two or more bones are connected in a human skeletal system.

**Pg. no.** 40

Q1.

1. Muscles- these are soft tissues fond in animals. Made with proteins, they help in movement of the body.

2. Breathing-It’s a process by which useful and waste gases are trausferred in or out of the living body.

3. Digestive system-A system in animals which breaks down complex food material into simpler for the use of the body.

4.Heart- A vital soft organ in higher animals which pumps the blood to all parts of the body.

5. Heartbeat- The sounds produced by the heart valves while transporting the blood is known as heart beats.

**Pg. no.** 41 **Do the yourself**

**Pg. no.**42

1. B
2. B
3. C
4. B
5. B

**Pg. no.** 43

Diagram

**Pg. no 44**

1. A
2. B
3. A
4. B
5. B

**Pg. no.**45

Diagram

**Pg. no.** 46

Stomach

Teeth

Saliva

Large intestine

Small intestine

oesophagus /mouth

**Pg. no. 47**

1. C
2. A
3. D
4. B
5. A

**Pg. no.** 48

1. The skeletal system works as a support structure for your body. It gives the body its shape, allows movement, makes blood cells, provides protection for organs and stores minerals.
2. The muscular system is composed of specialized cells called muscle fibers. Their predominant function is contractibility. Muscles, attached to bones or internal organs and blood vessels, are responsible for movement.
3. Each part of our digestive system helps to move food and liquid through your GI tract, break food and liquid into smaller parts, or both. Once foods are broken into small enough parts, our body can absorb and move the nutrients to where they are needed.
4. The human respiratory system is a system of organs responsible for inhaling oxygen and exhaling carbon dioxide in humans.
5. The circulatory system carries oxygen, nutrients, and hormones to cells, and removes waste products, like carbon dioxide.
6. The nervous system is a system in the body which sends signals around the body. It lets people and animals respond to what is around them.

**Pg. no.** 49 Diagram

**Pg. no.** 50 Gas store, toaster, heater, hot tea, press, kettle, cigarette, oven, microwave, match box, electric plug

**Pg. no.** 51

Draw signs

**Pg. no.**52

1. 1 Take your seat promptly and sit properly.

2 Always keep your head, hand and arms inside the bus.

1. 1 always wear seat belt.

2 never break red signal.

**Pg. no.**53

1. Scissors
2. Medicine
3. Knife
4. Matches
5. Firecrackers
6. Refrigerator

**Pg. no.** 54

1. Rules
2. Hurt
3. First aid box
4. Help
5. Wound
6. Antiseptic
7. Bandage
8. Doctor
9. Medicine

**Pg. no.** 55

1. False
2. True
3. True
4. True
5. True
6. True
7. True
8. False
9. False
10. False

**Pg. no.** 56

Ans.1 Always use knives, scissors, blades, matchsticks and fireworks in the presence of an adult.

Never play with electrical plug points, open wires and electrical things. It can give electrical shocks which can kill a person also.

Do not fly kites or play on the terrace of your house.

Ans.2 Do not run on a staircase. You can fall down and hurt yourself.

Do not push anyone on a staircase.

Do not play and run inside a classroom. Corners of desk and bench can hurt you.

ANS. 3

It may cause accident.

Helps you to follow the traffic rules.

You can save the lives of others.

**Pg. no.** 57

1. Short circuits, rough handling of fire,
2. Water
3. Stairs
4. Open
5. Rules
6. Covered
7. Wound
8. Rabies
9. Fire
10. Stairs

**PG.NO.** 58

1. No parking
2. Petrol pump
3. Hospital
4. Walk
5. Do not turn right

**PG.NO.**59

1. No horn area
2. First aid
3. School ahead
4. Zebra crossing
5. Guarded level crossing

**PG.NO.** 60

 Diagram

**Pg. no.** 61

1. Atmosphere
2. Wind vane , anemometers
3. Oxygen
4. Evaporation
5. Condensation

**Pg. no.** 62

1. Evaporation is the process of a substance in a liquid state changing to a gaseous state due to an increase in temperature and/or pressure.
2. Condensation is the process by which water vapor (water in its gas form) turns into liquid. It happens when molecules of water vapor cool and collect together as liquid water. Water vapor can be found on the outside of cold glasses, the warm side of windows, and in the clouds up in the air.
3. Precipitation is any liquid or frozen water that forms in the atmosphere and falls back to the Earth. It comes in many forms, like rain, sleet, and snow. Precipitation forms in the clouds when water vapor condenses into bigger and bigger droplets of water.
4. When a solid turns into a liquid it is called melting.
5. When the opposite happens and a liquid turns into a solid, it is called freezing.

**PG.NO.**63

1. Cylinder contains oxygen gas necessary for him to breathe and to remain alive under the water.
2. 

**Pg. no.**64

Spring-water droplets,

Snow man-ice

Steam-air balloon

**PG.NO.**65

1. The SI unit of frequency is the hertz (Hz). It is the property of sound that most determines pitch.
2. The 'normal' hearing frequency range of a healthy young person is about 20 to 20,000Hz.
3. Process to make foam on top.
4. A one-time exposure to extreme loud sound or listening to loud sounds for a long time can cause hearing loss. Loud noise can damage cells and membranes in the cochlea. Listening to loud noise for a long time can overwork hair cells in the ear, which can cause these cells to die.
5. Greater frequency changes the sound.

**Pg. no.** 66

1. An electric musical instrument uses electricity to produce sounds.
2. Musical instruments which create classical sounds when struck together of with a stick are called struck instruments.
3. Sound travels faster in liquid and solids than in air.

**Pg.no.**67

1.-B

2.-B

3.-A

4.-B

5.-A

6.-A

**Pg.no.**68 Diagram

**Pg.no.**69

1. Matter is anything that has weight and takes up space. Matter is anything that has weight and takes up space.
2. 1) liquid

2) Gas

3) Solid

**Pg.no70**

1. Cloud
2. Liquid
3. Condense
4. Ice
5. Change
6. Liquid
7. Solid
8. Oxygen , hydrogen
9. Gas
10. Liquid

**Pg no.** 71

1. True
2. True
3. True
4. False
5. True
6. True
7. False
8. True

**Pg no. 72**

 2,4,5,6,1,3

**Pg. no.** 73

1. C
2. A
3. A
4. B
5. A
6. A
7. B
8. A

**Pg no.74**

1. A
2. A
3. A
4. B
5. B
6. A
7. B

**Pg no. 75**

1. C
2. A
3. A
4. B
5. C
6. C

**Pg no. 76**

1. The Earth is almost completely round. The force of gravity would pull the Earth into a perfect sphere shape, but the fast rotation of Earth on its axis, an imaginary line running from the North Pole to the South Pole, reduces the effect of gravity on the equator.
2. Stars are balls of hot, explosive gas that make their own light and heat energy. They're mostly made up of two gases called hydrogen and helium.
3. A constellation is a group of visible stars that form a pattern when viewed from Earth. The pattern they form may take the shape of an animal, a mythological creature, a man, a woman, or an inanimate object such as a microscope, a compass, or a crown.
4. The new moon is the phase that is invisible to us here on Earth because the moon is between the earth and the sun, and its illuminated side is facing away from us. The new moon marks the beginning of the lunar cycle, the movement of the moon through its different phases.
5. Mercury ,venus, earth, mars, Jupiter,Saturn,Uranus ,Neptune

**Pg. no.**77

Mercury ,

venus,

earth,

mars,

 Jupiter

,Saturn,

Uranus ,

Neptune

**Pg no 78**

1. Mercury ,venus, earth, mars, Jupiter,Saturn,Uranus ,Neptune
2. Largest planet – Jupiter , smallest planet – mercury
3. A satellite is an object that revolves around another object in a path called an orbit. Satellites can be either natural or artificial (man-made). Our moon is an example of a natural satellite as are all the moons of the other planets. The earth can also be considered a satellite of the sun.

**Pg no 79**

1. The earth is a planet of solar system
2. Life is there on earth due to water and useful gases.
3. We all living beings live on earth.

**Pg no 80** Colour the diagram.

**Pg no 81** Colouring

**Pg no 82**

1. Neptune

2. Earth

3. Jupiter

4. Saturn

5. Venus

6. Uranus

7. Mars

8. Mercury

**Pg no 83**

1. Mercury
2. Venus
3. Mars
4. Saturn
5. Earth
6. Jupiter
7. Neptune
8. uranus

**Pg no 84**

Planets, moon, sun, asteroid, stars

**Pg no 85**



**Pg no 86**

 Mountain, Waterfall, Hills, Volcano

**Pg no 87**

1-Mountoun

2-Waterfall

3-Hills

4-Volvano

**Pg no 88**

1. Floods
2. Volcanic eruption
3. Earthquakes
4. Tornado

**Pg no 89**

1. A
2. C
3. B
4. C
5. A

**Pg no 90**

1. Humus
2. Top soil
3. Sub soil
4. Parent material
5. Bedrock

**Pg no 91**

Recycle-glass bottle, paper cup and glass

Reuse- carry bag, bottle, cane, pouch

Compost- all fruits

**Pg no 92**

Cane, carton, plastic bag, milk box, tin, plastic bottle

**Pg no93**

Fruits, leaf

**Pg no 94**

Air, noise, Water, land

**Pg no 95**

1. 60mm
2. 50m
3. 10mm
4. 7cm
5. 4cm
6. 5cm
7. 8cm
8. 3cm
9. 30mm
10. 1cm

**Pg no 96**

1,4,5,6,9,10,11,12 in grams

2,3,7,8 in kilogram

**Pg no 97**

1.9 cm

2. 5 cm

3. 2.5 cm

4. 4.5 cm

5. 14 cm

6. 8.5 cm

**Pg no98**

(1) To level the wet cement

(2) To add cement on the wall

(3) To screw & unscrew the bolts

**Pg no 99**

1. Sleeping

2. Eating

3. Cooking

4. Bathing

**Pg no 100**

Sitting room

Lamp

Television set

Flower vase

Picture

Display cabinet

Kitchen

Refrigerator

Water jug

Knife

Sauce pan

Sink

Bathroom

Waste bin

Toothbrush

Mirror

Tap

Medicine cabinet