

**DE- NOBILI SCHOOL, CHANDRAPURA.**

**STUDY MATERIALS FROM NEW EDITION OF SCIENCE BOOK ,STD. – 3 ( EXPLORING SCIENCE )**

**CHAPTER –1 ( LIVING AND NON-LIVING THINGS )    SUBJECT –SCIENCE STD. --- 3**

A. ANSWER THESE QUESTIONS :

1. Give any two features of living things .

*Ans. Living things need food air and water to live.*

*Living things grow.*

2. Give two examples of each living and non- living things.

*Ans. Table, book. -- non—living things. Human being , animals -- living things.*

3. How do the fish breathe ?

*Ans. Fish breathe through their gills.*

4. What is the importance of food in living things ?

*Ans. Living things need food to stay alive and grow .*

5. How does a cockroach breathe ?

*Ans. A cockroach breathes through their spiracles .*

6. Why do animals move from one place to another ?

*Ans. Animals move from one place to another in search of food,water and shelter.*

7. What is reproduction? Write the name of two animals that reproduce by laying eggs.

*Ans. The process by which living things produce new individuals of their own kind is called reproduction. Fish and snake reproduce by laying eggs.*

8. Differentiate between living things and non-living things.

*Ans. Living things breathe,move,grow ,need food,feel and reproduce.*

*Non—living things do not breathe,move,grow,need fod,feel and reproduce.*

B. TICK THE CORRECT OPTION :

1. Plants breathe through their :

a) Stomata

2.. Fish swim with their :

(b) Fins

3. Plants prepare their food with the help of :

(d) All of these

4. We feel the sense of touch with our :

(d) Skin

5. Antennae are found in :

(a) Grasshopper

C. FILL IN THE BLANKS WITH THE CORRECT WORDS :

1. Spiracles

2. Wings

3. Plants

4. Non—living things

5. Eggs

D. Write true or false :

1. False

2. False

3. True

4. True

5. False

6. True

E. MATCH THE COLUMNS :

1. Living things ---- breathe

4. Birds--- lay eggs

2. Non—living things --- do not breathe

3. Cows --give birth to young ones

F. NAME THE FOLLIWING :

1. Spiracles
2. Antennae
3. Lifespan
4. Photosynthesis

G. Page no. 9 home work,do it.

H.THINK AND ANSWER.

1.A plant gets died when it does not get proper sunlight and water.Why?

Ans. A plant can not prepare food if it does not get proper sunlight and without proper water cell of a plant die.

2.A car moves from one place to another. Is it a living thing ? Why?

Ans. No,a car is not a living thing. A car needs fuel like petrol and diesel to move from one place to another and a driver drives a car.

## CHAPTER –2 ( HUMAN BODY )

A. ANSWER THESE QUESTIONS :

1. What are external organs ?

*Ans. We can see some of the organs such as hand, leg, elbow,ears,nose etc.such organs are called external organs.*

2. What pumps blood to various parts of the body ?

*Ans. Heart pumps blood to various parts of the body.*

3. What is the function of kidneys ?

*Ans. Kidneys purify blood and produce urine.*

4. Where is the diaphragm located in our body ?

*Ans. Diaphragm seperates the lungs from the stomach.It is located just below the lungs.*

5. What is digestion ? Name the organs which are involved in digestion.

*Ans. Stomach and intestines break down food into simple substances that our body can use. This process is called digestion. The organs involved in digestion are foodpipe, stomach, large intestine, small intestine and anus.*

6. Name the organs which make up our respiratory system.

*Ans. The nose, windpipe and lungs make up our respiratory system.*

7. Explain briefly the process of deep breathing .

*Ans. Slowly take a deep breath through your nose. Let the air completely fill your lungs. Also let your belly expand a few inches. Holding your breath, pause for a second or two. Now breathe out through your nose slowly. Your belly will collapse and go in. In this process, your lungs contract completely and all the air is exhaled.*

8. What are the causes of air pollution ?

*Ans. Smokes and harmful gases released from chimneys of factories and industries, vehicles, burning of fuels like coal, wood, kerosene and burning wastes and garbages are the causes of pollution.*

9. Mention the effects of air pollution.

*Ans. It causes diseases of lungs, breathing problems, coughing, sneezing and headaches. It destroys the ozone layer in the atmosphere which protects us from harmful ultraviolet rays of the sun. It may increase the temperature of the earth called global warming .*

B. TICK THE CORRECT OPTION :

1. An example of internal organ is :

(c) Heart

2. This organ helps to think and learn :

(a) Brain

3. Food gets digested in :

(a) Intestines

4. Our lungs expand during :

(a) Inhalation

5. Our respiratory system consists of :

(d) All of these

C. FILL IN THE BLANKS WITH THE CORRECT WORDS :

1. Windpipe    2. Diaphragm    3. Filters    4. Left    5. 206

D. WRITE TRUE OR FALSE:

1. True.

2. False.

3. True.

4. True.

5. False.

E. MATCH THE COLUMNS :

1. Lungs ---- A part of respiratory system

2. Deep breathing--- Yoga or meditation

3. Bones ---- Make skeleton

4. Stomach --- An organ involved in digestion

5. Brain --- Located in skull bones of head

F.NAME THE FOLLOWING:

- 1.Brain.
2. Heart
3. Diaphragm
4. Windpipe

G.DEFINE THE FOLLOWING:

- 1.Air-pollution---The addition of harmful and undesirable substances to the air is called air pollution.
2. Organ system --- Our body is made up of different organs.These organs do different types of work.Many organs combine together to form an organ system.
3. Digestion --- Stomach and intestines break down food into simple substances that our body can use.This process is called digestion.

H.Do it by yourself, homework at pg no.17.

I. THINK AND ANSWER : 1.Why is the brain called the master of the body?

Ans. Our brain controls most of the activities of the body.It helps us to think,remember and learn .It sends the messages to different parts of the body and tells them what to do.so, brain is called the master of the body.

### CHAPTER-3 (ANIMALS:BIRDS)

A.ANSWER THESE QUESTIONS:

1.Which body part does a bird use to fly?

*Ans.A bird flies with the help of wings.*

2.Why do birds build nests?

*Ans.Birds build their nests to lay eggs.*

3.Which body part does a bird use to change its direction while flying?

*Ans.The tail of a bird help it to change the direction while flying.*

4.Which bird can imitate our voice.

*Ans.A parrot can imitate our voice.*

5.Name the different types of feathers found in birds.

*Ans.Birds have three types of feathers i.e. down feathers,flight feathers,body feathers.*

6.Name the type of beaks these birds have.

*Ans.(a)Kingfisher —Strong,pointed and chisel-shaped beaks. (b)Woodpecker—Strong pointed and chisel shaped beak.*

*(c)Duck—Spoon-like broad and flat beaks.*

*(d) Vulture—Strong,sharp and hooked beaks.*

7.Differentiate between the feet of scratching bird and wading birds.

*Ans.Scratching birds like hens have sharp and strong claws to dig the ground for food.*

*Wading birds like herons and cranes have long legs with widely spread out toes.*

8.Describe briefly the food habits of birds.

*Ans.Birds eat various kinds of foods .They eat insects,seeds,grains,nuts,fruits etc.*

*Humming birds suck nectar of flowers.Eagles and vultures eat the flesh of other animals.*

*Penguins,kingfishers and herons eat fish.*

9.What is a bird bath?

*Ans. A bird bath is a small shallow container filled with water. Birds drink water and bath to cool themselves in this bird bath.*

**B. TICK THE CORRECT OPTION:**

1. The bird that sucks nectar from flower is –(b) sunbird.
2. Sparrows and pigeons have –(d) short, hard and strong beaks.
3. An example of perching bird is –(c) crow.
4. The bird that lays the largest egg is –(c) ostrich.
5. The body of a bird is covered with –(c) feathers.

**C. FILL IN THE BLANKS WITH CORRECT WORDS:**

- |             |                |               |
|-------------|----------------|---------------|
| 1. Habitat. | 2. Peacock     | 3. Cup-shaped |
| 4. Body     | 5. Flight-less | 6. Beak.      |

**D. WRITE TRUE OR FALSE.**

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

**E. MATCH THE COLUMNS:**

1. Humming bird—smallest bird.
2. Crane—wading bird.
3. Crow—perching bird.
4. Emu—Flight-less bird.
5. Duck—water bird.



F. NAME THE FOLLOWING:

1. Flight-feathers.

2. Upstroke.

3. Humming bird.      4. Claws.

G. Homework, pg. no. 27, do it.

H. THINK AND ANSWER.

1. Why does a woodpecker make a hole in a tree?

Ans. It makes a hole in a tree because woodpeckers make nest for shelter in this hole.

2. Why do wading birds have long leg with widely spread out toes?

Ans. The spread out toes prevent the birds from sinking into mud or pond. Helps these birds to walk through water in search of food and this movement is called wading.

#### CHAPTER --- 4 ( ANIMALS ; COMMON INSECTS )

A. ANSWER THESE QUESTIONS ;

1. Give few examples of common insects.

*Ans. Houseflies, butterflies, ants, beetles, honeybees, mosquitoes and cockroaches.*

2. Name the main body parts of insects. Draw and label their body parts.

*Ans. The body of an insect is divided into three parts. Head, thorax and abdomen.*

3. What are social insects? Give some examples.

*Ans. Some insects such as bees and ants live together in groups or colonies. These insects are called social insects.*

4. *Ans. see in the page no. 30 life cycle of a butterfly. Draw in your notebook.*

5. Name any two harmful insects. Mention how they harm us.

*Ans. Termites destroy wooden furniture and books. Silver fish destroy our clothes.*

6. Name the products that we get from honeybee.

*Ans. We get honey and wax from honeybee.*

7. Give any five remedies to protect yourselves from harmful insects.

*Ans.(a) Wear long sleeved clothes to protect yourselves from mosquito bites.*

*(b)Use mosquito nets to protect yourselves from the bites of mosquitoes.*

*(c)Apply chemicals to furniture to kill termites present in it.*

*(d)Use insecticides to repel insects like cockroaches and mosquitoes.*

*(e)Cover the cooked food properly in order to protect it from insects like houseflies.*

8. What should be applied to get relief from a bee sting?

*Ans. To get relief from a bee sting we should make a paste of baking soda.*

**B.TICK THE CORRECT OPTION**

1. An insect has. (c) 2 wings

2.An example of insect is---(b) butterfly

3. The another word used for caterpillar is ---(a) larva

4. The third stage of a butterfly's life cycle is --- (b) pupa

5. Sting is not found in -- (b) drone bee

6. The insect that destroys our clothes is --- (a) silver fish

**C. FILL IN THE BLANKS WITH THE CORRECT WORDS :**

1. Legs

2. Pupa

3. Termite

4. Colonies

D.MATCH THE COLUMNS:

- 1.Honeybee--- feeds on nectar
2. Female Anopheles mosquito --- spreads malaria
3. Housefly --- contaminates food
4. Worker ant ---does not have wings
5. Termite --- eats wood

E.NAME THE FOLLOWING:

1. Antennae .
2. Ants and bees.
3. Butterfly.
- 4.Drone bee.
5. Termite.

F. Page no. 36 home work,do it by yourself.

G. THINK AND ANSWER ;

1. Why do insects fly a short distance ?

Ans. Insects fly a short distance because the wings push down on the surrounding air, the result – reaction force of the air on the wings force the insect up.The wings of most insects are evolved so that, during the upward stroke, the force on the wing is small.

2. Why are houseflies harmful to us ?

Ans. They sit on dead animals,rotten food, manure and trash.They pick up and spread diseases that are harmful to humans.

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