

Subject: Science

Class: Three

UNIT NO.1
THE HUMAN BODY
PAGE #2-9

- QUESTION NO.1: What is microscope?

ANSWER: Microscope is an instrument which is used to study that thing which cannot be seen by human eye.

- QUESTION NO.2: what is meant by term microscopic?

ANSWER: Things that cannot be seen by human eyes are said to be microscopic. Because they are only seen by microscope.

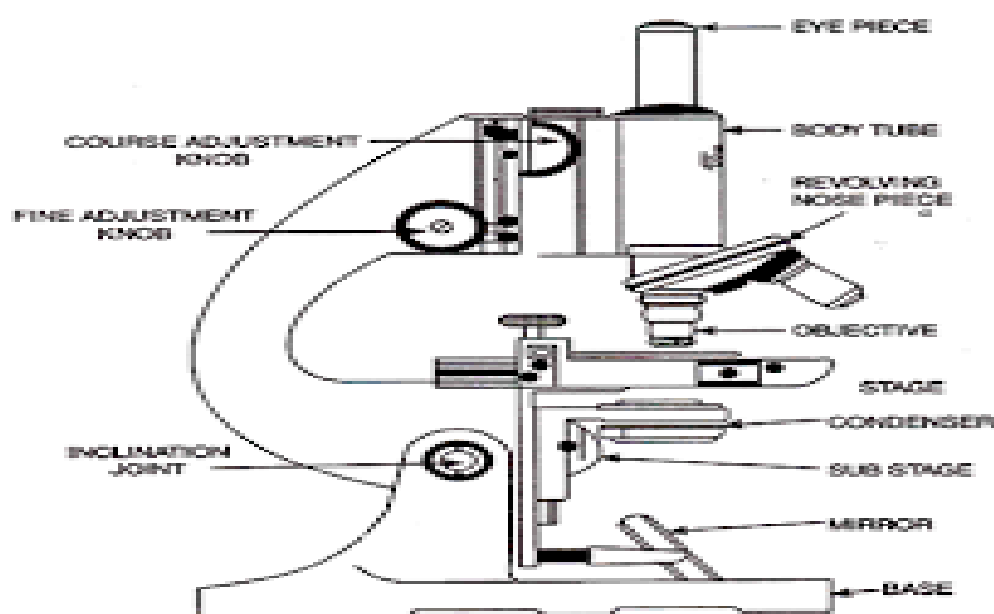


FIG. 15.1. The compound microscope showing its various parts.

TOPIC NO.2
SKIN PAGE#5

- QUESTION NO.1: Name the largest organ of human body?

ANSWER: Skin is the largest organ of human body.

- QUESTION NO.2: Write some main functions of skin?

ANSWER: It performs many functions like:

- 1: It holds everything inside the body.
- 2: It maintains body temperature.
- 3: It protects other body parts.

- QUESTION NO.3: Why do skin cells always grow?

ANSWER: skin cells always grow because we lose them all time.

- QUESTION NO.4: How many cells are losing by our skin in one minute?

ANSWER: Our skin loses about 30,000 to 40,000 cells in every minute from its surface.

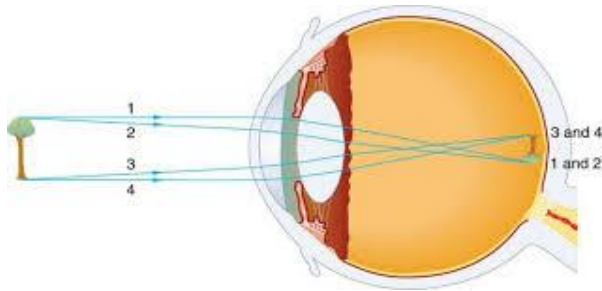
TOPIC NO.3 EYES
PAGE#6

- QUESTION NO.1: Which part of our body enables us to see?

ANSWER: Eyes enable us to see.

- QUESTION NO.2: How image is formed?

ANSWER: Ray of light falls on object and then bounced back and enter in to our eye and fall on retina to form image of object.



- QUESTION NO.3: what is the function of brain in image formation?

ANSWER: First when we see an object it formed an inverted image on retina. It is our brain that turns the image to right.

- QUESTION NO.4: How eyes are protected by eyelashes and eyelids?

ANSWER: Eyelashes trap dust and other tiny particles and eyelids close quickly if it senses any danger.

TOPIC NO.4 **EARS PAGE#7**

- QUESTION NO.1: Which part of our body enables us to hear?

ANSWER: Ears enable us to hear sounds of world around us.

- QUESTION NO.2: Name three smallest bones of our body found in ears?

ANSWER: 1. Hammer 2. Anvil 3. Stirrup

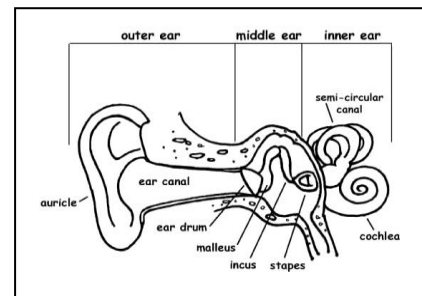
- QUESTION NO.3: Write the names of sections of our ears with their functions?

ANSWER: There are three sections of our ears.

1. Outer (it collects sound)
2. Middle (it converts sound into vibration)
3. Inner (it sends vibration to brain)

- QUESTION NO.4 How does the brain help us to hear?

ANSWER: The brain converts these vibrations into sound and makes a sense of sound.



TOPIC NO.5

NOSE PAGE#8

- QUESTION NO.1: Write some important functions of nose?

ANSWER: Nose performs many functions like: 1. Help us to breathe. 2. Allow us to smell.

- QUESTION NO.2: What is meant by cilia?

ANSWER: The tiny hairs in nose are termed as cilia.

- QUESTION NO.3: What is the function of cilia?

ANSWER: It traps dust particles and stops them from entering to our lungs.

- QUESTION NO.4: What causes us to sneeze?

ANSWER: We sneeze when we feel irritation inside the nose.

TOPIC NO.6

TONGUE PAGE#9

- QUESTION NO.1: What is the function of our tongue?

ANSWER: 1. It helps us to chew food.

2. It helps us to swallow the food.

3. It helps us to talk.

- QUESTION NO.2: How does the brain help in testing of food?

ANSWER: When the food is entered into mouth touches sour taste buds and

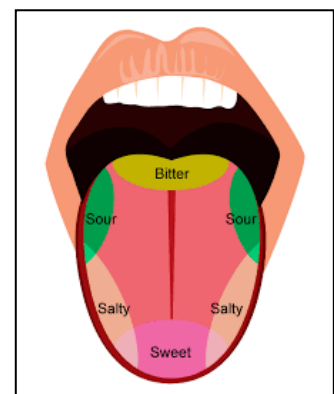
- QUESTION NO.3: How many taste buds are present on our tongue?

ANSWER: Our tongue contains three types of taste buds.

1. for taste salty 2. for taste sour 3. for taste bitter send message to our brain and then brain lets us know about the taste of food.

- QUESTION NO.4: What is an interesting thing about tongue?

ANSWER: It has a specific print on it like fingers.



UNIT NO.2
THE ANIMAL WORLD
PAGE#10-15
TOPIC NO.1

WHAT IS LIFE CYCLE
PAGE#10-11

QUESTION NO.1: What is a life cycle?

ANSWER: Life cycle is a change in animal whole life from its birth to death.

- QUESTION NO.2: what happened with animal death body?

ANSWER: when animal die its body changes into nutrients and mixed with soil and take up by plants for their growth.

TOPIC NO.2
GROW AND CHANGE
PAGE#12 -13

- QUESTION NO.1: Name the animals which look very similar throughout their life?

ANSWER: Puppy and horse.

- QUESTION NO.2: Why some animal looks very similar throughout their life?

ANSWER: Animal looks very similar throughout their life because they have grown but their physical feature not change very much.

- QUESTION NO.3: Why some animals look different in their whole life?

ANSWER: Animals look different in whole life because their physical Features also change a lot.

TOPIC NO.3
CHANGES IN LIFE
PAGE#14

- QUESTION NO.1 which type of changes takes place in animal whole life?

ANSWER: Animals change in many different ways throughout their lives like: 1. they change size.

2. They change their color.

3. They change their shape.

- QUESTION NO.2: Which animal lays larger egg?

ANSWER: Ostrich lays larger egg.

- QUESTION NO.3: How much time is taken by a baby ostrich for its complete growth?

ANSWER: In only six months it becomes as tall as its parents

TOPIC NO.4
AN ANIMAL LIFE CYCLE
(LIFE CYCLE OF BEE)
PAGE#16-17

- QUESTION NO.1 Which one of adult lays egg?

ANSWER: Queen Bee lays egg.

- QUESTION NO.2: Where queen bee lays egg?

ANSWER: Queen lays egg in wax cell.

QUESTION NO.3: How many times is required by egg to hatch?

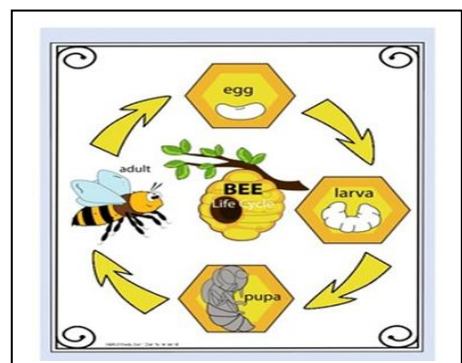
ANSWER: After 3 to 4 days egg hatch.

- QUESTION NO.4: Which bees are called worker bees?

ANSWER: Worker bees are those female bees that cannot produce egg.

- QUESTION NO.5: What worker bee does?

ANSWER: 1. it provides food to larva. 2. Worker bee seals the top of the cell.



- QUESTION NO.6: How much time is taken by larva for complete growth?

ANSWER: It takes 8 to 9 days for complete growth.

- QUESTION NO.7: How much time is taken by pupa for its growth?

ANSWER: It takes 16 to 24 days for its growth.

- QUESTION NO.8: Which bees are called drones?

ANSWER: All Male bees are called drones.

- QUESTION NO.9: Name four stages in the life cycle of a bee?

ANSWER: 1. Egg 2. Larva 3. Pupa 4. Adult.

- QUESTION NO.10: What are the three types of adult bees?

ANSWER: 1. Queen 2. Worker 3. Drones.

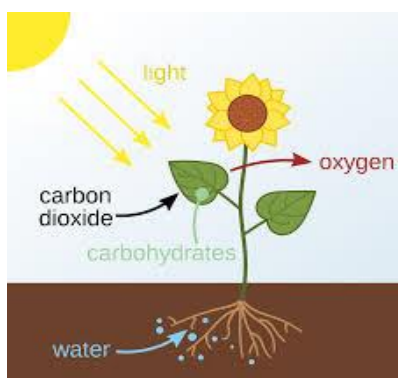
UNIT NO.3

THE PLANT WORLD

PAGE #18-21

TOPIC NO.1

PHOTOSYNTHESIS PAGE#18-20



- QUESTION NO.1 What is photosynthesis?

ANSWER: The process by which plant prepares their own food by using sunlight.

- QUESTION NO.2 Name the things which are required by plant for photosynthesis?

ANSWER: Plant required four things for photosynthesis:

1. Water 2. Carbon dioxide 3. Sunlight 4. Chlorophyll

- QUESTION NO.3 What is chlorophyll?

ANSWER: A pigment present on leaf which help in photosynthesis.

- QUESTION NO.4: In which part of plant photosynthesis take place?

ANSWER: Photosynthesis is take place in leaves of plant.

- QUESTION NO.5: Which type of sugar is produced by plants?

ANSWER: Plants mostly produced glucose.

- QUESTION NO.6: How glucose is prepared?

ANSWER: The chlorophyll changes the sunlight and mixed with carbon dioxide and water it makes a type of sugar called glucose.

- QUESTION NO.7: Which gas is released by plants?

ANSWER: Plants released oxygen mostly.

- QUESTION NO.8: Why the photosynthesis is necessary for plant?

ANSWER: Photosynthesis is necessary for plants to prepare their own food.

- QUESTION NO.9 What are the effects of carbon dioxide on environment?

ANSWER: carbon dioxide is dangerous for environment because it increases the temperature of planet.

- QUESTION NO.10 what will be happened when the carbon dioxide is not taken by plant?

ANSWER: If carbon dioxide is not taken by plants then the temperature of planet increases and it becomes too hot and then life is not possible on planet.

EXERCISE QUESTION ANSWERS

WITH SOLVE EXERCISE

UNIT NO. 2
THE ANIMAL WORLD

➤ QUESTION NO.1 What is zoology?

ANSWER: The study of animal is called zoology.

➤ QUESTION no .2 What is a life cycle?

ANSWER: A life cycle is all the change that an animal goes through from birth to death.

➤ QUESTION NO.3 Name the four stages in the life cycle of a bee?

ANSWER: 1. Egg 2. Larva 3. Pupa 4. Adult.

➤ QUESTION NO.4 In what different ways do animals change as they grow?

ANSWER: Animal change in many different ways like size, color and shape. A chick changes its color. A butterfly changes its shape. Hippo's changes in Size as they grow.

➤ QUESTION NO. 5 What are three types of adult bee? Which one lays egg?

ANSWER: 1. Queen bee 2. Worker bee 3. Drones

Queen bee lays egg

THE BLANKS:

1. Baby hippos are really small when they're born but change in _____ as they grow. (Size)

2. Every living thing has a life _____. (cycle)

3. _____ look very different when they become frogs. (tadpoles)

4. A life cycle is all the _____ that an animal goes through from birth to death. (change)

5. A butterfly changes _____ as it grows. (shapes)

6. A chick changes _____ as it grows into a hen. (coloure)

UNIT NO 3
THE PLANT WORLD

➤ QUESTION NO. 1 What is botany?

ANSWER: The study of plant is called botany.

➤ QUESTION NO.2 What do plants need to carry out photosynthesis?

ANSWER: Plant needs four things: 1. Water 2. Carbon dioxide 3. Sunlight 4. Chlorophyll

➤ QUESTION NO .3 How does photosynthesis take place?

ANSWER: It is a process by which plants make their own food

➤ QUESTION NO.4 Carbon dioxide gas is not so cool. Do you agree? Explain?

ANSWER: Yes, we agree because carbon dioxide warms the planet and if plant. Did not take it for photosynthesis our planet would be too hot to survive.

➤ QUESTION NO .5 What is chlorophyll?

ANSWER: Leaves contain a green substance called chlorophyll.