

Key Book

Class: Five

Subject: Science

Chapter# 1: Classification of Living Things

Think Back:

Q: How many groups can we categorize living things into?

Ans: Bird, reptiles, insects, mammals, fishes

Q: How many types of bacteria? Reading and draw its shapes.

Ans: There are six types of bacteria with diagram.

Flagella shape, red shape, spiral shape, chain shape,

Star shape, oval shape

Can you tell:

Q: Why are algae called autotrophs?

Ans: Algae have green pigment is called chlorophyll. So they can make their own food.

Exercise:

Answer the following Questions:

Q1: Ans. It can be defined as a method used by scientists to order living organism in to different groups.

Q2: Ans. Classification is essential because it helps scientists to identify organism and break down in to group. Classification make easier the study of thousand animal & plants.

Q3: Ans. Algae can make their own food due to presence of chlorophyll therefore act as plant. Algae can move due to flagella. Therefore act as an animal.

Q4: Ans.

Unicellular	Multicellular
The animal which compose of one cell egg bacteria.	The animal which compose on one or more cells is called multicellular e.g invertebrates' vertebrates.

Flowering	Non – flowering
Flowering plant have flower on their stem. E. g Rose, apple, sunflower	Non-flowering plants have not floer on their stem. E.g conifers.

B. Chose the correct option:

1. Unicellular
2. Algae
3. Insects
4. both

Work it out:

Classification of living organism working:

Unit# 2: Our Central Nervous System

Think Back:

Ans: We use brain organ for solving a puzzle question.

Do You know:

Q: What is the weight of our brain? (Ans on book Pg: 11). Diagram structure of brain.

Can You tell:

Ans: Cerebellum part of the brain does a juggler need the most to stay balanced.

Work it out:

Cerebrum	It helps us to think and control voluntary actions.
Cerebellum	It control body balance and movement of muscles
Medulla	It control involuntary actions and connect to the spinal cord.

Pg: 16

Activity	Parts of brain
Testing a hamburger	Cerebrum
Artistic ability	Cerebellum
Kicking a soccer ball	Cerebrum
Rate of breathing	Medulla
Tying your shoes	Cerebrum

Exercise:

Answer these questions:

Q1: Ans. The human brain is located inside the head, which is protected by a bone called the skull. The skull is very hard.

Q2: Ans. The human brain is an organ which is made up of cell called nerve cell also called neuron. Function: They work in strong coordination with each other and control all body movements and activities.

Q3: Ans. We use our brain for numerous activities in our daily routine, such as solving math questions, etc. the procedure move forward when the spinal cord sends messages to the brain, the nerve carry these messages in the form of impuls to the brain and then the brain commands the right part to act upon.

Q4: On book Pg:16. Work it out: 1

Q5: Ans. When nerve impulses does not generate properly. Then some body faints and fall into unconscious.

Q6: Ans. (1)

Voluntary actions	Involuntary actions
Voluntary action that can be controlled. E.g reading, thinking etc. cerebrum control voluntary actions.	Involuntary actions that cannot be controlled eg. Heart beat, blinking of eyes etc. medulla control involuntary actions.

Ans (2). On book Pg: 14

B. Choose correct options.

1. Medulla
2. Sensory
3. Cerebrum
4. Digestion of food