



Worksheet-1

1. Differentiate between an artery and a vein.
2. What are the adaptations of leaf for photosynthesis?
3. Why is small intestine in herbivores longer than in carnivores?
4. What will happen if mucus is not secreted by the gastric glands?
5. What is the significance of emulsification of fats?
6. What causes movement of food inside the alimentary canal?
7. Why does absorption of digested food occur mainly in the small intestine?
8. Why is the rate of breathing in aquatic organisms much faster than in terrestrial organisms?
9. Why is blood circulation in human heart called double circulation?
10. What is the advantage of having four chambered heart?
11. Mention the major events during photosynthesis.
12. State one difference between autotrophic and heterotrophic mode of nutrition.
13. Define peristaltic movement.
14. What is the role of saliva in the digestion of food?
15. Name the tissue that transports water and minerals in plants.
16. Name the cell organelle in which photosynthesis occur.
17. Name the largest artery in the human body..
18. Define transpiration.
19. What is the structural and functional unit of kidney called ?

Previous year questions. Solve :-

1. In human alimentary Canal name the site of Complete digestion of Various Components of food.
2. What are the final products obtained after the digestion of Carbohydrates and proteins.
3. How to guard cells regulate the process of opening and clos of stomatal pores?
4. Name any two parasitic plants and two parasites animals.
5. Which is the largest digestive gland in human body? what is its Function?
6. How is required pH maintained in the stomach and Small Intestine?

BIOLOGY – 10TH Worksheet-2

1. Which of the following is a plant hormone ?

a) Insulin b) Thyroxin c) Oestrogen d) Cytokinin

2. The root of plant is:

a) Positively phototropic but negatively geotropic b) Positively geotropic but negatively phototropic c) Negatively phototropic but positively hydrotropic d) Negatively hydrotropic but positively phototropic

3. Part of the body which responds to the instructions sent from nervous system is called

(a) receptor b) effector c) nerves d) muscles

4. What is the general name of chemical substances which bring about control and coordination in plant?

5. What is the scientific name of sensitive plant ?

6. Fill in the following blanks :

(a) A plant's response to light is called.....

(b) A plant's response to gravity is called.....

(c) Plant shoot grows upward in response to.....

(d) Plant roots grow downward in response to.....

(e) Tendrils wind around a support in response to.....

(f) Plant roots grow towards..... and in the direction of force of.....

(g) A root of a plant grows downward. This is known as.....

(h)is the hormone that causes phototropism in plants

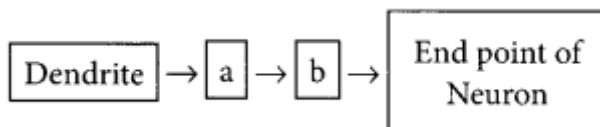
(i) The response of leaves to the sunlight is called.....

7) Define reflex arc.

8. Trace the sequence of events which occur in our body when a bright light is focused on your eyes.

9. Name one gustatory receptor and one olfactory receptor in human beings.

10. Write a and b in the given flow chart of neuron through which information travels as an electrical



impulses.

11. Which part of the human brain is:

(i) the main thinking part of the brain?

(ii) responsible for maintaining the posture and balance of the body? (Board Term I, 2015)

12. Where is thyroid gland situated?

13. State the function of thyroxine in human body.

14.) An old man is advised by his doctor to take less sugar in his diet. Name the disease from which the man is suffering. Mention the hormone due to imbalance of which he is suffering from this disease. Which endocrine gland secretes this hormone?

(b) Name the endocrine gland which secretes growth hormone. What will be the effect of the following on a person

(i) deficiency of growth hormone

(ii) excess secretion of growth hormone?

15. Make hormonal chart in human being secreted by each organ.