



INDIAN SCHOOL AL BURAIMI
BIOLOGY WORKSHEET

NAME:
STD: X

DATE:
WORKSHEET - 5

1. Name the sensory receptors found in the nose and on the tongue?
2. Name one gustatory receptor and an olfactory receptor. Write a and b in the given flow chart of neuron through which information travels as an electrical impulse.

Dendrite → **a** → **b** → End point of neuron
3. Name the part of the brain which controls posture and balance of the body?
4. What is meant by chemotropism? Give one example of chemotropism.
5. In animals muscular movement is caused due to change in position of proteins. How do you think movement will be brought about in 'touch me not' plant which lacks such proteins?
6. Name the mechanism by which amount of hormone in the blood is regulated.
7. Compare and contrast nervous and hormonal mechanisms for control and coordination in animals.
8. Name the hormone which is involved in phototropism. Explain its role.
9. What is a reflex arc? Draw a neat labelled diagram of the components in a reflex arc. Why do impulses flow only in one direction in a reflex arc?
10. (a) Draw the structure of neuron and label cell body and axon. (b) Name the part of neuron:
(i) where information is acquired (ii) through which information travels as an electrical impulse.
11. a) Identify the glands that secrete (i) insulin (ii) thyroxine
b) Name the hormones secreted by the following endocrine glands and specify one function of each: a) Thyroid (b) Pituitary (c) Pancreas
12. Name the property that causes tendril to circle around the object? Explain how it happens and how is plant benefitted by it? How do auxins promote the growth of a tendril around a support?
13. Smita's father has been advised by a doctor to reduce his sugar intake. (i) Name the disease he is suffering from and name the hormone whose deficiency causes it. (ii) Identify the gland that secretes it and mention the function of this hormone. (iii) Explain how the time and amount of secretion of this hormone is regulated in human system
14. Name the hormone released by thyroid gland. Also write the function of this hormone. Which disease develops due to deficiency of iodine in our diet? Give one of its symptoms

LESSON 3. How do Organisms Reproduce

1. What is meant by DNA copying? Mention its importance in reproduction?
2. Write two advantages of vegetative propagation?
3. Name the method by which Hydra reproduces. Is this method sexual or asexual?
4. State any two differences between binary fission and multiple fission.
5. More complex organisms cannot give rise to new individuals through regeneration. Why ?
6. Mention any two advantages of vegetative propagation. Give any two examples of plants which are propagated using this method.