

1. Name any four stimuli which act on plants.
2. Name a plant hormone whose effects include wilting of leaves.
3. Give one example of a plant part:
 - (a) Which is positively hydrotropic as well as positively geotropic?
 - (b) Which is positively phototropic but negatively geotropic?
4. Name the stimulus in (a) phototropism, and (b) geotropism.
5. Where is the auxin hormone synthesized in a plant ?
6. Give the scientific terms used to represent the following :
 - (a) Bending of a shoot towards light.
 - (b) Growing of roots towards the earth.
 - (c) Growth of a pollen tube towards ovule.
 - (d) Bending of roots towards water.
7. What is chemotropism? Give one example of chemotropism.
8. Define hydrotropism? Give an example of hydrotropism.
9. Distinguish between tropic and nastic movements of plants.
10. What is meant by the nastic movement in plants? Give one example of nastic movement in plants.
11. Name the specialized cells which respond to stimuli.
12. Give an example of a neurotransmitter.
13. What is a nerve impulse?
14. What are cranial and spinal nerves?
15. What is the structural and functional unit of Nervous system?
16. What is the difference between sensory and motor nerve?
17. Write the function of medulla.
18. What is the role of brain in reflex action?
19. Write a note on autonomic nervous system.
20. Explain in detail the function of different parts of cerebrum.
21. Name the hormone secreted by
 - (a) Testes
 - (b) Ovaries
22. The gland X secretes a hormone Y. The deficiency of hormone Y in the body makes a person dwarf whereas the excess of hormone Y makes a person giant.
23. The neck of a person appears to be swollen.
 - (a) Name the disease he is suffering from.
 - (b) Name the mineral whose deficiency in the diet causes this disease.
24. A person has been advised by the doctor to take less sugar in his diet. Name the disease he's suffering from.
25. Name one target organ in our body on which adrenaline hormone acts.

26. Which hormone:
- (a) prepares the body for action?
 - (b) controls the amount of sugar (glucose) in blood?
 - (c) brings about changes in boys at puberty?
 - (d) brings about changes in girls at puberty?
27. Explain why, sometimes we come across people who are either very short (dwarfs) or extremely tall (giants).
28. Why is the use of iodised salt advisable?
29. Compare the nervous and hormonal system for control and coordination in humans.
30. How does our body respond when adrenaline is secreted into the blood?
31. Name five hormones secreted by pituitary gland and mention their functions.