

Conduction, Reception

1. What is meant by safety factor?
2. What is meant by saltatory conduction?
3. List the types of receptors.
 4. List the classification of somatic senses.
 5. What is meant by free nerve endings?
 6. What is meant by modality of sensation?
 7. Explain the differential sensitivity of receptors.
 8. What is meant by receptor field?
 9. What is meant by receptor potential?
 10. List the ways causing the receptor potential in different receptors.
 11. What is the basic cause of receptor potential?
 12. Describe the relationship of the receptor potential to action potentials.
 13. Describe the genesis of receptor potential of the pacinian corpuscle.
 13. Describe the relationship between stimulus intensity, amplitude of receptor potential and nerve impulse rate.
14. What is meant by adaptation?
15. Describe the mechanisms of adaptation.
16. Explain the function of the tonic receptors.
17. Explain the function of the phasic receptors.
18. What is meant by the somatic senses?
19. What is meant by the special senses?
20. The spread of current along an axon from an active region to an inactive region mainly depends on several factors. List the factors
21. In peripheral nerves myelin is formed by layers of plasma membrane derived from:
22. In myelinated nerve fiber the action potentials are conducted from node to node. How is called this type of conduction?
23. How changed the character of conduction after myelination in large nerve fibers?
24. Which type of fibers has the slowest conduction velocity?
25. Which type of fibers has the fastest conduction velocity?
26. List the properties of conduction along the nerve fiber.
27. In the intact neuron an action potential is propagated from its point of origin along an axon to its terminals. How is called this type of conduction?
28. How is called the propagation of action potential along an axon to soma-dendritic zone?
29. How is called the process by which an environmental stimulus becomes encoded as a sequence of nerve impulses in an afferent nerve fiber?