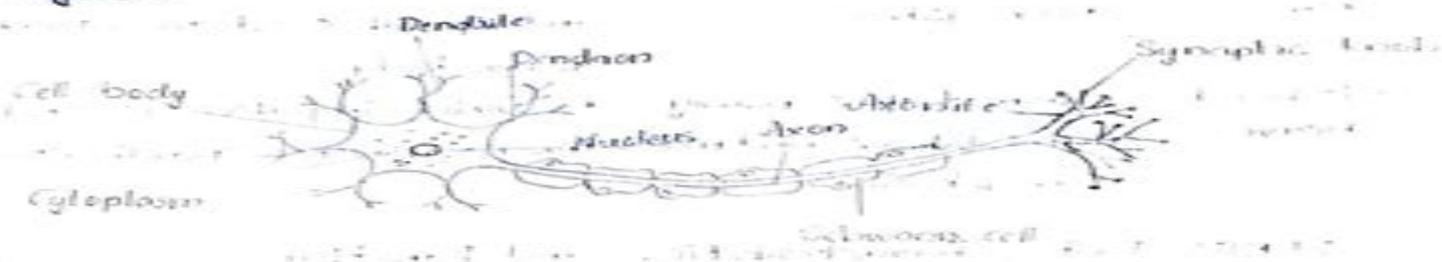


## Sensations and Responses

① - Nervous system control and coordinates all rapid actions in our body. It includes brain, spinal cord and nerves.

• Neuron or nerve cells are the basic structural unit of the nervous system.



### NEURON - Parts characteristics and functions

PART	CHARACTERISTICS	FUNCTION
• Dendrite	• Branches of Dendron	• Part that receives impulses from adjacent neuron.
• Dendron	• Short filament from the cell body.	• Carries impulses from dendrites to cell body.
• Cell body	• Main part with nucleus and cytoplasm.	• Carries impulses from Dendron to axon.
• Axon	• Longest filament from the cell body.	• Carries impulses from cell body to outside.
• Axonite	• Branches of axon	• Carries impulses to the synaptic knob.
• Synaptic knob	• Tip of axonite	• Secretes neurotransmitters.
• Schwann cell	• Encircles the axon	• Forms the myelin sheath in nerves.

# Chapter 10 Biology Notes

**Ying-Ying Zheng**



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**Methods in Stem Cell Biology - Part B**, 2022-08-09 Methods in Cancer Stem Cell Biology Part B Volume 171 in the Methods in Cell Biology series highlights advances in the field with this new volume presenting interesting chapters on timely topics including Orthotopic brain tumor models derived from glioblastoma stem like cells RNA sequencing in hematopoietic stem cells Generation of inducible pluripotent stem cells from human dermal fibroblasts In vitro preparation of dental pulp stem cell grafts combined with biocompatible scaffolds for tissue engineering Gene expression knockdown in chronic myeloid leukemia stem cells Identification and isolation of slow cycling GSCs Assessment of CD133 EpCAM and much more Provides the authority and expertise of leading contributors from an international board of authors Presents the latest release in the Methods in Cell Biology series Includes the latest information on the topic of Methods in Cancer Stem Cell Biology Ntg- Human Biology 5e Note-Taking G Chiras, 2005-05-27 **Sea Grant Publications Index**, 1968 *The Elements of General Zoology* William John Dakin, 1927 **Sea Grant Publications Index, 1968-72**, 1973 *Sea Grant Publications Index, 1968-71*, 1972 NOAA Technical Memorandum EDS ESIC. United States. National Oceanic and Atmospheric Administration, 1972 *NOAA Technical Memorandum EDS ESIC*. Environmental Science Information Center, 1972 *Normal Instructor and Primary Plans*, 1914 **AI for Non-Technical Users** Michael Martin, 2025-08-15 Unlock the power of artificial intelligence without needing a tech background AI for Non Technical Users is your friendly step by step guide to understanding and using AI in everyday life and work Discover how AI can help you Automate tedious tasks and save time Make smarter decisions with data insights Improve productivity at home and in the office Navigate the AI tools everyone s talking about without feeling overwhelmed Packed with clear explanations real life examples and actionable tips this book makes AI approachable for anyone whether you re a professional student or curious learner Stop feeling intimidated by tech jargon and start using AI to work smarter not harder Perfect for beginners who want to confidently step into the future of technology **Biotheology** Michael Cavanaugh, 1996 This text synthesises modern biology with traditional religious doctrines The sections are divided into four parts biology theology biotheology in individual life and biotheology in group life It aims to assess the individual and social benefits of such a view Straight A's John C. Stowers, 1996 A guide designed to help students develop the study habits needed to excel in college this book is written by a medical student who achieved success in college after an average high school performance It offers information on how to thrive in competitive college environment while also enjoying the experience *Lecture Notes in Medical Protozoology* Robert Knowles, 1923 *Publishers' circular and booksellers' record*, 1899 **The Publishers' Circular and Booksellers' Record of British and Foreign Literature**, 1896 **Publishers' Circular and General Record of British and Foreign Literature, and Booksellers' Record**, 1897 **The Open Society and Its Enemies: The spell of Plato** Karl Raimund Popper, 1963 **The Progressive Teacher and Southwestern School Journal**, 1919 *Technical Note*, 1911 *Yellowstone Wolves*

Cat Urbigit, 2008 This is a biography of Wilson Alwyn Bentley the farmer from Jericho Vermont who took over five thousand photomicrographs of ice dew frost and especially snow crystals Although his photographs were taken between 1885 and 1931 they have never been equalled and are in great demand today Bentley s story is one of courage and persistence against tremendous odds He taught himself how to photograph snow crystals through a microscope while still in his teens and then pursued his obsession for years before having the beauty and scientific value of his work recognised by others The Snowflake Man lays open the life of a simple self educated sensitive man who pursued natural beauty with microscope and camera for nearly fifty years The book contains 30 black and white photographs

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