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This means that blood is in direct contact with the cells.Blood has three major functions:This is the case with blood type O ♦ Individuals with blood group AB can receive blood from all the blood groups.The normal blood glucose level required in the body for normal cell function is kept within a narrow range of 90-100 mg per 100 ml of blood. The Internet Archive is working to keep the record straight by recording government websites, news publications, historical documents, and more. Its experts investigate the various phenomena that occur underwater and work with the diverse organisms that inhabit the sea.The concept of oceanography is supported by other sciences: physics, geology, chemistry, biology, and geography, relying on remote sensing or remote sensing – monitoring a phenomenon or object through wireless real-time scanning instruments – and other complementary sciences.Indeed, its definition encompasses many aspects, such as ocean currents, waves, tides, and other geophysical fluid movements, marine organisms, dynamic ecosystems, plate tectonics, seafloor geology, as well as the exchange flows of various chemical substances within the ocean.FREE BOOKS [PDF]7 Oceanography Books for Free! [PDF]Physiology is the science that deals with the knowledge and analysis of the functions of living organisms. If you find our work useful, please pitch in. Aristotle was the first zoologist since he devoted himself to taxonomy, which is, to the description and cataloguing of numerous species.Zoologists are the specialists in charge of the biological taxonomy of all animal species, both living and dead. You cannot print the contents of this website. Some zoologists work in museums and are responsible for the maintenance and description of zoological collections.Zoology has many subspecialties that deal with different groups, such as arachnology (spiders), herpetology (reptiles and amphibians), ichthyology (fish), ornithology (birds), malacology (mollusks),...FREE BOOKS [PDF]10+ Zoology Books for Free! [PDF]So, here ends our selection of free books about Biology. We hope you liked it and that you already have your next book!If you found this list useful, don't forget to share it on your main social networks. They are also able to examine soil, water and other elements for bacteria.Bacteriology as a discipline appears as a necessity for physicians to test and apply the microbial theory of disease, as well as economic concerns related to food and wine spoilage.FREE BOOKS [PDF]15+ Bacteriology Books for Free! [PDF]Biotechnology is defined as a multidisciplinary area, employing biology, chemistry and various processes, with great utility in agriculture, pharmacy, food science, forestry and medicine. The term was probably first used by the Hungarian engineer Karoly Ereky in 1919.Biotechnology dates back to ancient times, when techniques for manipulating living organisms were already being used to obtain certain results, such as the production of wine or bread, the secret of which is fermentation by microorganisms, yeasts, known as traditional biotechnology.However, with the development of various scientific areas, especially those related to the DNA molecule, they transformed the way of manipulating organisms, relying in part on recombinant DNA techniques, which led to the use of genetic engineering techniques, giving rise to modern biotechnology.FREE BOOKS [PDF]7 Biotechnology Books for Free! [PDF]The cell theory postulates that all organisms are composed of cells, that the cell is the basic unit of life, and that all cells come from other cells. i. Bacteriologists study urine and blood samples, to name two possibilities. Few advances were made in the following centuries. It can also occur that flowers grow so closely together that they give the impression of being a single flower, which is called a pseudanthium.Floriography, also known as the language of flowers, was the name given to a technique through which a message could be conveyed. Explore our collection of free biology books and start uncovering the secrets of life today!Extension: PDF | 615 pagesConcepts of Biology, covers fundamental topics in biology, from introduction to science to biotechnology and genetics. Can You Chip In? Here we present more than 50 books that you can read for free and download in PDF. The gene contains encoded instructions for synthesizing all the proteins of an organism. We've got everything you need to feed your curiosity and expand your knowledge in this exciting discipline.Our biology books are available in PDF format, meaning you can access them from any device, at any time. Etymologically it comes from the Greek mikros (small), bios (life) and -logia (treatise, science).In the field of health and medicine, microbiology is of great importance since it is in charge of studying pathogenic microorganisms such as fungi, viruses, parasites and bacteria that can cause disease in humans.Through microbiology, infectious diseases suffered by any patient are studied and thanks to it, the most appropriate treatment for each disease and patient can be determined.FREE BOOKS [PDF]7 Microbiology Books for Free! [PDF]For all those interested in learning about the wide diversity of fungi that exist, and everything related to these fascinating organisms, we bring you the best free books on fungi in PDF format.In these texts, you can find complete information about the types, characteristics, growth, cultivation, generation, elimination, and precautions that should be taken with respect to fungi; there are many aspects to consider in this field.With the idea that you can obtain all the information you require or desire, we invite you to consult our texts full of details, data, advice, and guides related to fungi.FREE BOOKS [PDF]7 Mushroom Books for Free! [PDF]Nature is the term we use to refer to everything that has formed spontaneously on planet Earth. This way, you can continue learning about the fascinating world of living beings, no matter where you are.In addition to offering free access to these valuable resources, we also strive to keep our library up-to-date and constantly growing.Are you ready to dive into the thrilling world of biology? We'd be deeply grateful if you'd join the one in a thousand users that support us financially. This method was used during the Victorian era, and it involved using flowers of different types and arranging them to transmit messages in codes, through which feelings that could not be expressed through other means could be conveyed.FREE BOOKS [PDF]7 Flower Books for Free! [PDF]Genetics is a branch of biology that studies how hereditary traits are transmitted from generation to generation.Genes are the units of information used by organisms to transfer characteristics to their offspring. The text explores historical discoveries in radiobiology and highlights the importance of understanding the effects of ionizing radiation.Extension: PDF | 471 pagesChromosomes, Genes, and Traits: An Introduction to Genetics, is an educational resource that delves into the fundamentals of genetics, covering topics like DNA structures, genome structure, mitosis, meiosis, transcription, translation, mutations, gene expression regulation, Mendelian genetics, allele interactions, and more.Extension: PDF | 1221 pagesMicrobiology, covers a wide range of topics related to microbiology, from the invisible world of microorganisms to prokaryotic and eukaryotic diversity, microbial biochemistry, microbial genetics and more.Extension: PDF | 342 pagesEnvironmental Biology, is a book on environmental biology that addresses a variety of topics from environmental science to sustainability and human health.Extension: PDF | 176 pagesGeneral Microbiology, is a general microbiology book that covers a wide range of topics from introduction to microbiology to bacterial pathogenicity and viruses.To provide you with information that may be interesting and useful, we have created a complete series of free books on the biology of aging in PDF format.Aging is understood as a constant, multifaceted, and irreversible process with various biopsychosocial transformations that occur throughout a person's life.By consulting our texts, you can learn about the types of aging that exist, what its stages are, the changes that occur, the associated factors, and everything related to this biological process.FREE BOOKS [PDF]7 Aging Biology Books for Free! [PDF]Bacteriology is the science that studies bacteria, the etymological origin of the term is Latin in which "Bacterio" means "Small animals" and "Logy" means "Study". In this sense, nature encompasses all living organisms that inhabit the planet, all material and mineral substances, and all the processes inherent to the planet.Likewise, it can be mentioned that nature also relates to the universe, galaxies, and everything that exists within them. Its structure includes a short stem and a cluster of modified leaves that protect the sex cells and ensure the formation of new seeds.Generally, flowers grow in an organized group called an inflorescence, although it is, of course, possible to find solitary or paired flowers. Generally, nature does not take into account artificial elements created by humans.There is the concept of human nature. It serves as a valuable educational resource for students studying biology.Extension: PDF | 212 pagesGeneral Biology II: Survey of Molecular Life and Genetics, is a general biology educational resource that covers a wide range of topics, including molecular life, genetics, and fundamental biological processes.Extension: PDF | 347 pagesFundamentals of Cell Biology, is an educational resource that covers essential topics in cell biology. Remember that «Sharing is Caring». And remember that if you have any book to recommend us you can do it in the comments. In the same way that eye color is inherited from parents to children, there are also diseases that can be transmitted to offspring, in this case we speak of genetic or hereditary diseases.FREE BOOKS [PDF]35+ Genetics Books for Free! [PDF]Histology is a branch of biology that studies the organic tissues of animals and plants in their microscopic aspects: characteristics, composition, structure and function. Its levels of study are at the level of organisms, populations and communities of populations that make up ecosystems and the biosphere in general.FREE BOOKS [PDF]35+ Ecology Books for Free! [PDF]Environmental biology is a science that studies the possible solution to environmental problems and fundamentally requires a broad knowledge and understanding of the basic physical, chemical and biological processes that occur in nature, for which it is necessary to have qualified personnel to face this problem that integrates almost all branches of knowledge and that should converge in an effort to achieve an adequate relationship between humans and their environment.Environmental problems are analyzed from a broad biological perspective, with a comprehensive vision of the components of the environment, in such a way that environmental policies can be formulated based on research processes.The life sciences have undergone an extraordinary development in recent decades, which has led to a great diversification of the fields of study. Can You Chip In?Dear Patron: Please don't scroll past this. By bringing together the principles proposed by the other exact sciences (physics, chemistry, biology), this discipline gives meaning to the relationships between the elements that give life to living organisms.Through the scientific method and experimentation, physiology is able to understand how living organisms change within an environment and to establish rules that determine the behavior of matter and energy in the course of life.Depending on the type of living organism, we can distinguish three major groups: plant physiology, dedicated to the study of the functioning of the organs and tissues of plants, phyto-physiology is part of this group of physiology and develops specific taxa of plants; animal physiology; and human physiology, which is part of animal physiology.FREE BOOKS [PDF]5 Physiology Books for Free! [PDF]Biochemistry studies the chemical composition of living organisms, especially proteins, carbohydrates, lipids and nucleic acids. Those organisms with similar characteristics are put into the same ... The revised syllabus stresses the connection of the study of Biology to real life problems-use of biological discoveries/innovations in everyday life-in environment, industry, medicine, health and ... The postulates of the cell theory were only possible thanks to the invention of the microscope by the Dutch merchant Zacharias Janssen in 1590.The first study or research that began to lay the foundations of the mentioned cell theory was carried out in 1665 by the British scientist Robert Hooke, who is considered the father of cells, their discoverer.From his demonstration, this theory shed light on the origin of life and reproduction. For this reason, its fundamental tool is the microscope.The Italian Marcello Malpighi (1628-1694) is considered the founder of histology. 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It is a scientific discipline oriented towards the analysis of behavior and character.Ethologists' studies focus on the behavioral characteristics specific to a particular group and how these develop to ensure its conservation in a given environment.The objective of ethology is to investigate how animals relate to their environment. It is applied in many areas of medicine, agri-food, pharmacology, and several other areas.It is an eminently experimental science, which resorts to the scientific method, that is to say, to the verification of experiments by means of numerous instrumental techniques of its own and also of other branches of science such as statistics and physics.The beginning of this discipline dates back to 1828, when Friedrich Wöhler published an article on the synthesis of urea, which demonstrated that organic compounds, contrary to what was believed, can be produced artificially in a laboratory.FREE BOOKS [PDF]10 Biochemistry Books for Free! [PDF]The term "zoology" comes from the Greek and translates as "science or study of animals". Our resources are crucial for knowledge lovers everywhere—so if you find all these bits and bytes useful, please pitch in. It was this biologist and anatomist who detected living cells for the first time. The definition of ecology is simple but the object of its study is very complex.It was Ernst Haeckel, a German scientist, who created the term ecology in 1869 in order to designate a name for the science that studies the relationship between living organisms and the environment.In particular, it studies how the environment influences their distribution, quantity, biodiversity, behavior, the interactions between different species and the modifications they can cause in the environment. Dear Patron: Please don't scroll past this. Cell biology studies derive from previous disciplines such as cytology (the branch of biology that studies cells) and histology (the discipline that studies organic tissues).Cell biology is essential for the quality of life of human beings. TOPIC 1- CLASSIFICATION 2 Classification is the orderly arrangement of organisms into groups based on their similarities. Furthermore, it allowed for understanding the dynamics and processes inherent to what is now considered the most basic physiological unit of biology: the cell.FREE BOOKS [PDF]7 Books on Cell Theory for Free! [PDF]Botany (from the Greek botanē that means grass) is a science whose object of study is the kingdom plantae, comprising plants, fungi and algae. Our notes have been prepared by ... Kib Biology Book 3 5th Edition - Free ebook download as PDF File (.pdf) or read book online for free. With it, what is intended to be expressed is that every man or woman has a series of characteristics that are inherent to all human beings and inevitably relate to their ways of thinking, acting, and even feeling.FREE BOOKS [PDF]7 Nature Books for Free! [PDF]The science dedicated to the analysis of the oceans is called oceanography. This is because its findings and research are decisive, for example, in preventing diseases such as cancer or Alzheimer's disease.It also helps to propose therapeutic alternatives to improve the repair processes of human tissues and organs, as well as to combat agents that cause severe disorders in living organisms, such as those that occur when bacteria or viruses appear.FREE BOOKS [PDF]10 Cell Biology Books for Free! [PDF]DNA stands for deoxyribonucleic acid: the biopolymer that harbors the data for protein synthesis and comprises the genetic material found in cells. These proteins are the ones that will eventually give rise to all the characteristics of an individual (phenotype).Genetics takes on special relevance when studying the transmission of diseases. Cell biology is also known as cellular biochemistry. Botany is a part of biology, which is the science that studies all living organisms.Core botany studies plants, fungi and algae in their composition, functions, development, location, adaptations, etc., but there is also applied botany that studies the possibilities of using these species as remedies, in cosmetic products or other uses.The father of botany was Theophrastus, a disciple of Aristotle, who in the 4th century B.C. published the first works focused on the study of plants. The Internet Archive is a nonprofit fighting for universal access to quality information. Explores the chemistry of life, cell structure, photosynthesis, cell division, heredity, molecular biology, and the application of biotechnology in medicine and agriculture.Extension: PDF | 1313 pagesPrinciples of Biology, is an educational resource that covers the fundamental principles of biology, providing a detailed overview of key topics in biology such as chemistry, cell biology, genetics, ecology and evolution.Extension: PDF | 199 pagesGeneral Biology I: Survey of Cellular Biology, provides a comprehensive overview of cellular biology, covering topics such as cell structure, function, metabolic processes, and scientific inquiry. The main objective of zoology is the examination of the morphological and anatomical description of the different animal species: their reproduction, development, behavior and distribution. Perhaps the most outstanding figure in the field of botany is Carl Linnaeus, an eminent Swedish scientist of the 18th century who devoted most of his life to studying and classifying plants and animals.FREE BOOKS [PDF]5 Botany Books for Free! [PDF]Cell biology is the science that studies the properties, characteristics, evolution, life cycle and interaction of the cell with its environment. It can be said that DNA contains the genetic information used by living organisms to function.This acid also contains genetic data that will be hereditary, meaning it will be passed from one individual to another, from generation to generation, making its analysis and understanding crucial for conducting any type of scientific research or hypothesizing about an individual's identity or characteristics.DNA began to be studied in 1868 by Friedrich Miescher, who along with RNA, termed them nucleic acids. The book explores key concepts such as cell visualization, biological membranes, DNA, chromosomes, cell cycle, among others, providing a detailed guide for students and educators in the field of cell biology.Extension: PDF | 687 pagesRadiobiology Textbook, addresses the effects of radiation on cells, tissues and organisms, as well as its application in medicine and other fields. Specifically, environmental biology studies the relationship of biological systems (organisms, species, ecosystems) with their environment.FREE BOOKS [PDF]20+ Environmental Biology Books for Free! [PDF]Ethology is the study of behavior in humans or animals. These professionals are part of teams that work alongside physicians, nurses and others in the healthcare field. We build and maintain all our own systems, but we don't charge for access, sell user information, or run ads. These Biology notes follows the Kenya Certificate of Secondary Education Biology Form 3 syllabus. Bacteriology is a very extensive science, its study is almost infinite due to the millions of types of bacteria that have not yet been discovered or that have not yet manifested themselves in multicellular organisms.Bacteriology specialists can prevent, diagnose and treat diseases caused by bacteria. Thanks to increasingly powerful microscopes, histology progressed throughout the 17th century and in the following years.The results of histological studies are key to medicine and biology, both for understanding the properties of the organism under normal conditions and for examining the presence of pathologies, their evolution and possible diagnosis.FREE BOOKS [PDF]5 Histology Books for Free! [PDF]Microbiology is the branch of biology that studies microorganisms, both prokaryotes and viruses as well as simple eukaryotes, uni and multicellular. Looking for Biology Books? Welcome, biology lover! If you're searching for the best biology books to download for free, you've come to the right place!Our platform is dedicated to providing quality educational resources, and we take pride in being your reliable source for everything related to biology.Here you'll find an extensive library of biology books, covering topics from cell biology to genetics and ecology. The organisms that are the object of this branch are those that are only visible under the microscope. The description of DNA was first published in 1953 by James Watson and Francis Crick, both awarded the Nobel Prize in Medicine in 1962.FREE BOOKS [PDF]7 DNA Books for Free! [PDF]Ecology is the science that studies the relationship between living organisms and the environment they inhabit. It attempts to understand the chemical basis of life: the molecules that make up cells and tissues, which catalyze the chemical reactions of cellular metabolism such as digestion, photosynthesis and immunity, among many other things. Download Form 3 Biology Notes for free at no cost. This includes aspects such as mating, aggression, socialization, the evolution of their behavior over time, among others.FREE BOOKS [PDF]10 Ethology Books for Free! [PDF]Evolutionary biology is the branch or discipline of biology that studies the origin of species and their changes, dissemination, differentiation and any evolutionary process that arises over time.In short, it studies from the beginning of the species, covering all the transformations it has undergone over time, since it is in charge of identifying each species with its reproductive capacity and comparing the changes observed between each generation of the species studied.To better understand this context, it is necessary to give a clear definition of evolution; evolution is defined as the progressive or successive change to which a population undergoes, this is influenced by the characteristics of the environment in which it lives, these changes are transmitted without alteration to subsequent generations since the changes are made at the level of the genetic structure.FREE BOOKS [PDF]15+ Evolutionary Biology Books for Free! [PDF]A flower is the part of the plant responsible for reproduction.

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