

Biology Glossary

Active acquired immunity: immune response occurs, producing memory cells via vaccines

Active defence: produced once pathogen is recognised, targeted responses

Adaptive: acquired and specific

Allele: variant of a gene e.g. blue eye gene vs brown eye gene

Alpha particles: densely ionising but lesser penetrating than beta rays or neutrons

Aneuploidy: abnormal number of chromosomes in a cell

Angiosperm: flowering plant

Antigen: identifying protein on exterior cell membrane

Asexual reproduction: reproduction involving one parent and no gametes, who produce offspring genetically identical to the parent

Autosome: chromosomes other than X or Y

Bacteriophage: virus which parasitises a bacterium by infection and reproducing inside it

Beta particles: sparsely ionising but more penetrating than alpha rays

Biallelic: individuals with two variant forms of a gene

Bioethics: study and investigation of how decisions in medicine and science affect society and the environment

Biological mutagens: include viruses, bacteria, fungi and their products

Biotechnology: use of biological materials as tools

Bivalent: aligned pairs of homologous chromosomes

Carcinogenic: cancer-causing

Carpal: female reproductive organs in plant

Chemical mutagens: chemicals which cause mutations following long-term exposure (frequently ingested)

Chromatid: one copy of a newly copied chromosome attached by centromere

Chromatin: DNA wound around protein in non-dividing cell

Chromosome: DNA molecule with part or all the genetic material of an organism

Colony forming unit/CFU: measure of viable bacterial or fungal cells (i.e. microscopic cells which will rapidly multiply to become a macroscopic/visible colony)

Colony morphology: methods used to describe characteristics of colonies (includes form, elevation, and margin) used to identify them

Colony: visible mass of microorganisms originating from a single mother cell; therefore, a colony constitutes a clone of bacteria all genetically alike

Communicable disease: disease that can travel between plants or animals

Control plate: to ensure integrity of agar plate in that it is not harbouring organisms and is truly sterile. If the control grows organisms after incubation, the test cultures are invalid

Cross pollination: transfer of pollen from anther of one plant to stamen of another. More beneficial in developing variation

Cytokinesis: physical process of cell replication

Deep intronic mutation: occurs within 100 nucleotides to binding site

Delayed active defence: within days (limits spread of pathogen)

Digital epidemiology: use of social media outlets to track movements of infectious diseases through a population (considerations of privacy issues)

Diploid: unique combination of two haploid gametes containing a full set of DNA sequencing

Disease: any process adversely affecting the normal function of a living thing or its parts

DNA: Deoxyribose Nucleic Acid

Endemic: native diseases consistently present within a country or region (e.g. bovine Johne's disease, foot rot)

Endo-: internal

Environmental irritants or poisons: including organic solvents, cleaning products, asbestos

Usatestprep Biology Glossary

Elizabeth Martin, Robert Hine



Usatestprep Biology Glossary:

Pictured Glossary in Biology Prof. Amal Attia El-Morsy Ibrahim, 2017-01-01 The glossary continues to be a valuable guidance tool for biological students those studying biology either in High Schools or Science Colleges as well as scientific researchers Everything you need for learning biological terminology is right in your hands The language of biology is rigorous It is among the great tools of the mind for a better understanding and more accurate network between all biologists of the life sciences The lists of prefixes suffixes and terms arranged alphabetically which lets students look terms up even if they are not sure about their exact spellings It provides comprehensive coverage of biology and biochemistry entries on key scientists This glossary will contain 8000 scientific words expressing all biology branches Zoology Botany Microbiology The number of the glossary in this book is more than that found in Oxford Dictionary **Glossary for Biology, Spanish**

Translation David Garcia Stranz, Starr, 2005-03 *A Dictionary of Biology* Elizabeth Martin, Robert Hine, 2015 Fully revised and updated for the seventh edition this market leading dictionary is the perfect guide for anyone studying biology either at school or university With more than 5 500 clear and concise entries it provides comprehensive coverage of biology biophysics and biochemistry Over 250 new entries include terms such as Broca's area comparative genomic hybridization mirror neuron and Pandoravirus Appendices include classifications of the animal and plant kingdoms the geological time scale major mass extinctions of species model organisms and their genomes Nobel prizewinners and a new appendix on evolution Entry level web links to online resources can be accessed via a companion website **A Biological Glossary. For the Use of Higher**

Forms in Schools and First-year University Students Nesta Frances SAYERS, 1951 **Concise Dictionary Of Biology** EDITORIAL BOARD, 2013-01-02 The book is designed to provide you with dictionaries of terms in biology to make science simpler for you The terms have been arranged alphabetically for quick reference Suitable explanations of terms that have come into public domain recently also find mention The standard of explanation has been kept at a level of understanding expected from an average secondary and senior secondary student Illustrations and examples at appropriate places have been given Readers who have not made a special study of any science subject will have also be able to grasp the definitions A glossary of Nobel Prize winners and their contributions is an added attraction v publishers Glossary for Biology, Spanish

Translation Solomon, Berg, Andrew Martin, 2005-01 *Henderson's Dictionary of Biology* Eleanor Lawrence, 2005 The thirteenth EDITION of this classic dictionary has been updated in response to changes in the core life sciences fields and now includes new terms from bioinformatics genomics and proteomics Key Features middot over 22 000 entries middot clear definitions and additional explanations middot covers a wide range of topics middot includes new terms since the last EDITION e g chameleon sequence metabolomics protein chip boundary elements lipid raft LUCA RNA interference ontology middot includes simplified up to date classification tables for the kingdoms of living organisms HENDerson's Dictionary of Biology continues to provide an essential reference for students of any of the biological sciences and for teachers and

researchers Eleanor Lawrence is a freelance science writer and editor and co AUTHOR of Longman Dictionary of Environmental Science **A Biological Glossary** Nesta F. Sayers,1951 **STAAR Biology Vocabulary Workbook** Lewis Morris,2019-09-27 Learn the Secret to Success on the STAAR Biology Exam Ever wonder why learning comes so easily to some people This remarkable workbook reveals a system that shows you how to learn faster easier and without frustration By mastering the hidden language of the subject and exams you will be poised to tackle the toughest of questions with ease We ve discovered that the key to success on the STAAR Biology Exam lies with mastering the Insider s Language of the subject People who score high on their exams have a strong working vocabulary in the subject tested They know how to decode the vocabulary of the subject and use this as a model for test success People with a strong Insider s Language consistently Perform better on their Exams Learn faster and retain more information Feel more confident in their courses Perform better in upper level courses Gain more satisfaction in learning The STAAR Biology Exam Vocabulary Workbook is different from traditional review books because it focuses on the exam s Insider s Language It is an outstanding supplement to a traditional review program It helps your preparation for the exam become easier and more efficient The strategies puzzles and questions give you enough exposure to the Insider Language to use it with confidence and make it part of your long term memory The STAAR Biology Exam Vocabulary Workbook is an awesome tool to use before a course of study as it will help you develop a strong working Insider s Language before you even begin your review Learn the Secret to Success After nearly 20 years of teaching Lewis Morris discovered a startling fact Most students didn t struggle with the subject they struggled with the language It was never about brains or ability His students simply didn t have the knowledge of the specific language needed to succeed Through experimentation and research he discovered that for any subject there was a list of essential words that when mastered unlocked a student s ability to progress in the subject Lewis called this set of vocabulary the Insider s Words When he applied these Insider s Words the results were incredible His students began to learn with ease He was on his way to developing the landmark series of workbooks and applications to teach this Insider s Language to students around the world **Dictionary of Biology** Bill Indge,2014-01-27 This Dictionary provides an explanation of the main ideas of and concepts central to biology Rather than offer an exhaustive list of technical terms the author has selected a range of basic terms that are likely to meet the needs of most readers and librarians The entries cover not only the traditional subject areas but also many of the topics that form the distinctive parts of human and social biology Each entry in the Dictionary of Biology begins with a clear one sentence definition followed by a further explanation and where appropriate by specific examples Numerical ideas are supported by working examples Entries are cross referenced and the A Z arrangement makes the book very easy to use **Dictionary of Modern Biology** Norah Rudin,1997 Reflecting the most up to date research in molecular biology and DNA mapping this book includes approximately 5 000 biological terms listed alphabetically and defined on a level useful to college and graduate biology students high school biology teachers medical and nursing students

and those with interest in science Diagrams and line art **Biology Dictionary** Rita Blanche St. Pierre,1993 Provides pronunciation guidelines and definitions for approximately 5000 terms used in biology and life sciences texts Glossary for Life Sciences Yash Paul Sharma,2014-11-25 A complete glossary of terms for Life Sciences Quick and easy method to remember terms for competitive exams like CSIR NET JRF Medical Entrance Exam etc **Dictionary of Biology** Dr. Kanchan Upreti,2018-04-20 Dictionary is a medium through which a student secures a desirable hold on the concerned subject Dictionaries related to different subjects teach the correct spellings pronunciation and meanings of the words through which learner s knowledge of varied terms definitions principles methods theorems etc enhances This Dictionary of Biology has been designed to deal precisely with those topics which students of schools and colleges and aspirants of various competitive examinations like JEE Main Advanced are always looking for To the point and concise information has been provided in this dictionary of chemistry This dictionary covers the terms definitions concepts methods laws experiments starting from alphabet A till alphabet Z Plus all the terms of NCERT Textbook have been covered in the dictionary Also appendices have been covered at the end of the book *O Level Biology Glossary* Christopher Talbot,2007 Concise Dictionary of Biology V. & S. Publishers' Editorial Board,2012-04 We see application of science everywhere Whether we are aware or not science application plays a big part in our daily lives While you are reading this page an important element of optical science is in use Electricity for example is one of the most important science discoveries ever made As we walk in the public we see almost everyone carrying a cellular phone This is an application of electronics communications technology To remain healthy we use medicines which is a specialised form of biology It is only the knowledge of science which enables us to understand the life processes around us V S Publishers has brought for you dictionaries of terms in science physics chemistry and biology to make science simpler for you The terms have been arranged alphabetically for quick reference Suitable explanations of terms that have come into public domain recently also find mention The standard of explanation has been kept at a level of understanding expected from an average secondary and senior secondary student Illustrations and examples at appropriate places have been given Readers who have not made a special study of any science subject will have also be able to grasp the definitions Important scientific charts tables constants conversion tables etc have been included as appendices to make this dictionary more useful A glossary of Nobel Prize winners and their contributions is an added attraction Dictionary of Biology Kirti Sharma,2021-01-19 Biology refers to the science of life It is the study of living organisms divided into many specialized fields that cover their morphology physiology anatomy behaviour origin and distribution It is one of the most rapidly developing areas of science Biology is the key to understanding the health and growth of microorganisms plants and animals The learning of biology relates to careers in many fields including medicine and other health professions agriculture law laboratory and field research education resource management and industry Biologists study the structure function growth origin evolution and distribution of living organisms This Dictionary provides

an explanation of the main ideas and concepts central to biology It presents a galore of terms and definitions related to the subject in an easy precise and lucid manner It is designed in a concise way to provide a subtle know how to the learners of the subject or who are lean to know the biological terminologies It has been compiled focusing on the usefulness of quick revision of the subject It is essentially a book to pick up and put down a book to browse through and use to add to your understanding of basic ideas Dictionary of Biology Unlock the language of life sciences with the Dictionary of Biology This comprehensive reference guide provides a wealth of scientific definitions biological terminology and concepts in the field of biology From anatomy and physiology to genetics and ecology this book serves as an invaluable resource for students researchers and biology enthusiasts Explore the diverse realms of life sciences and navigate the intricacies of biological classifications and processes Whether you re seeking a quick reference or a deeper understanding of biological concepts this dictionary is an indispensable tool for exploring the fascinating world of biology Dictionary of Biology biological terminology life sciences biological concepts scientific definitions biology reference biological classifications anatomy and physiology genetics ecology cellular biology *Dictionary of Biology* Elizabeth A. Martin,2005 **A Dictionary of Biological Terms** Isabella Ferguson Henderson,William Dawson Henderson,1963 **Henderson's Dictionary of Biology** Eleanor Lawrence,2016-01-05 With over 22 000 entries Henderson s Dictionary of Biology is the most comprehensive on the market It continues to be an essential reference for students teachers and researchers within any of the biological sciences The full text downloaded to your computer With eBooks you can search for key concepts words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf available as a free download available online and also via the iPad and Android apps Upon purchase you ll gain instant access to this eBook Time limit The eBooks products do not have an expiry date You will continue to access your digital ebook products whilst you have your Bookshelf installed

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web learning objectives identify the major glands of the endocrine system identify the hormones secreted by each gland

describe each hormone's role in regulating bodily functions the endocrine system consists of a series of glands that produce chemical substances known as hormones

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web 4 how do the hormones released by the endocrine glands get around the body the hormones travel throughout the body by way of the circulatory system each hormone has certain target cells located in various tissues or organs of the body when a target cell detects the hormone in the blood the cell absorbs the hormone 5 two of the hormones

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web the endocrine glands secrete hormones b hormones diffuse from interstitial fluids into the blood stream and eventually act on target cells c paracrine secretions are secretions that do not travel in the blood stream to their targets d autocrine secretions are secretions that affect the secreting cell itself

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