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This is a completely free and open dictionary with over 60,000 biology terms. It uses the wiki concept, so that anyone can make a contribution. If you discover a term that you think should be in our dictionary, you can easily [add it here](#). To make your contribution, you must first [create an account](#). Registration is quick, completely free, and also allows you to participate in our [discussion forums](#).

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http://www.biology-online.org/dictionary/Main_Page

Subject

Biology - Dictionaries

Accessibility

Free

Language

English

Publisher

Biology - Online.org

Brief History

Created in 2001, the site provides a wealth of information in the diverse field of biology offering a forum for discussion, an editable-dictionary with thousands of terms. Every page is shown with its last modification date mentioned below the pages.

Scope and Coverage

This is a completely free and open dictionary with over 60,000 biology terms. It uses the wiki concept, so that anyone can make a contribution.

Kind of Information

Biology Online aims to educate and promote awareness of all in biology, offering free and easy access to information in the biological sciences. List of popular entries like Homeostasis, Diffusion, Cell, Cytoplasm, Nucleus etc are found under 'Popular Pages' category in the home page.

A particular entry includes part of speech, Number, definition of the term. Some of the terms in the definition are cross referenced. Supplementary information on that particular term is also given. Origin of the word, synonyms, see also references on that particular term are available. An example is sited below for clear understanding-

Gene

Definition

noun, plural: genes

(cell and molecular biology)

The fundamental, physical, and functional unit of heredity.

Supplement

It is because a gene is a segment of DNA (on a specific site on a chromosome) that is responsible for the physical and inheritable characteristics or phenotype of an organism. It also specifies the structure of a protein, and an RNA molecule.

A gene is formerly called a factor.

Word origin: German *Gen*, from gen-, begetting, in Greek words (such as *genos*, race, offspring).

Derived forms: genetic (adjective).

Synonym: factor (obsolete).

See also: DNA, allele, recessive, dominant.

Special Features

- ❖ As it is a Wiki type dictionary and any one can add new terms to this, the history of the terms and their source is also shown here.
- ❖ Links to biology related articles, tutorials, books, directory etc. are found.
- ❖ Discussion forum and blog are linked with the home page.
- ❖ In the search bar if one types a biology related term in the search result not only a link to this dictionary is found for the term, but also links to other articles and other

information related to that term are found.

Arrangement Pattern

All the entries are arranged alphabetically. Under a particular alphabet the entries are also arranged alphabetically. For example under 'T' the entries are arranged in the following order: **T-banding, T-dependent antigen, T-helper cell, T-lymphocytes, T-stem cell** etc. Under '0-9' the terms starting with Arabic numerals are arranged. For example, **11-cis-retinal, 123-propanetriol, 125i, 1st Law of Thermodynamics, 3-methoxy-4-hydroxymandelic acid test** and the like. Under 'Other' various suffixes are arranged in alphabetic order. For example, **-dymus, -ene, -genin, -graphy, -ia** etc.

Remarks

The vast compass of this dictionary is highly helpful for the students of biology. But some of the terms have not been updated for a long time as reflected in the last modified date of that entry. The openness of its nature also adds a great chance to improve its circumference.

Comparable Tools

- A Molecular Biology Glossary
(<https://seqcore.brcf.med.umich.edu/sites/default/files/html/educ/dnapr/mbglossary/mbgloss.html>)
- Hypermedia Glossary Of Genetic Terms
(<http://hal.weihenstephan.de/genglos/asp/genreq.asp?list=1>)
- Online Biology Dictionary
(<http://www.macroevolution.net/biology-dictionary.html>)

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