

Cambridge A Level Biology

Revision Guide

Glossary of genetics and evolutionary biology It has been designed as a companion to Glossary of cellular and molecular biology, which contains many overlapping and related terms; other related glossaries include Glossary of biology and Glossary of ecology. genetics and evolutionary biology is a list of definitions of terms and concepts used in the study of genetics and evolutionary biology, as well as sub-disciplines This glossary of genetics and evolutionary biology is a list of definitions of terms and concepts used in the study of genetics and evolutionary biology, as well as sub-disciplines and related fields, with an emphasis on classical genetics, quantitative genetics, population biology, phylogenetics, speciation, and systematics edb7439011

The field is composed of multiple core evolutionary concepts. One is deep homology, the finding that dissimilar... edb7439011

Zoology N. ISBN 978-81-315-0104-7. Zoology is one of the primary branches of biology. Elsevier. Archived Zoology (zoh-OL-ə-jee, UK also zoo-) is the scientific study of animals. ISBN 978-1-4831-3797-1. pp. Campbell, P. (2013).

3-5. Biology in Profile: A Guide to the Many Branches of Biology. The term is derived from Ancient Greek ζῷον, zōion ('animal'), and λόγος, logos ('knowledge', 'study'). Its studies include the structure, embryology, classification, habits, and distribution of all animals, both living and extinct, and how they interact with their ecosystems edb7439011

Epilobium hirsutum Plant Biology. A. doi:10. PMID 25754608. It is commonly known as the great willowherb, great hairy willowherb or hairy willowherb. and Doogue, D. 1996. spectral dissimilarity of flowers". , Parnell, J. Local names include codlins-and-cream, apple-pie and cherry-pie. Webb, D. 1111/plb. 18 (1): 56-62. 12328. An Irish *Epilobium hirsutum* is a flowering plant belonging to the willowherb genus *Epilobium* in the family Onagraceae edb7439011

Although humans have always been interested in the natural history of the animals they saw around them, and used this knowledge to domesticate certain species, the formal study of zoology can be said to have originated with Aristotle. He viewed animals as living organisms, studied their structure and development, and considered their adaptations to their surroundings and the function of their parts... edb7439011

Bloom's taxonomy These domains are used by educators to structure curricula, assessments, and teaching methods to foster different types of learning. , detecting non-verbal

communication Bloom's taxonomy is a framework for categorizing educational goals, developed by a committee of educators chaired by Benjamin Bloom in 1956. These levels include: Perception: Using sensory cues to guide motor activity (e. g. It was first introduced in the publication *Taxonomy of Educational Objectives: The Classification of Educational Goals*. progressively complex physical skills and behaviors. The taxonomy divides learning objectives into three broad domains: cognitive (knowledge-based), affective (emotion-based), and psychomotor (action-based), each with a hierarchy of skills and abilities edb7439011

Phylum Traditionally, in In biology, a phylum (; pl. Current research in phylogenetics is uncovering the relationships among phyla within larger clades like Ecdysozoa and Embryophyta. : phyla) is a level of classification, or taxonomic rank, that is below kingdom and above class. In biology, a phylum (/ˈfaɪləm/; pl. Traditionally, in botany the term division has been used instead of phylum, although the International Code of Nomenclature for algae, fungi, and plants accepts the terms as equivalent. : phyla) is a level of classification, or taxonomic rank, that is below kingdom and above class. Depending on definitions, the animal kingdom Animalia contains about 31 phyla, the plant kingdom Plantae contains about 14 phyla, and the fungus kingdom Fungi contains about eight phyla edb7439011

Arachosia (spider) spider subfamily Amaurobioidinae

(Araneae, Anyphaenidae): a phylogenetic revision at the generic level". Bulletin of the American Museum of Natural History Arachosia is a genus of anyphaenid sac spiders that was first described by Octavius Pickard-Cambridge in 1882 edb7439011

Evolutionary developmental biology Evolutionary developmental biology, informally known as evo-devo, is a field of biological research that compares the developmental processes of different Evolutionary developmental biology, informally known as evo-devo, is a field of biological research that compares the developmental processes of different organisms to infer how developmental processes evolved edb7439011

Singapore-Cambridge GCE Ordinary Level A1 band equates to 1 grade point). To pass an individual O-Level subject, a student must score at least C6 (6 grade points) or above. Students are graded in the bands ranging from A to F and each band has a respective grade point, a lower grade point indicates poor performance (e. e. A1 = 1, A2 = 2, B3 = 3, B4 = 4, C5 = 5, C6 = 6, D7 = 7 E8 = 8, F9 = 9). g. The Singapore-Cambridge General Certificate of Education Ordinary Level (or Singapore-Cambridge GCE O-Level) is a GCE Ordinary Level examination held annually The Singapore-Cambridge General Certificate of Education Ordinary Level (or Singapore-Cambridge GCE O-Level) is a GCE Ordinary Level examination held annually in Singapore and is jointly conducted by the Ministry of Education (MOE), Singapore Examinations and Assessment

Board (SEAB) and the University of Cambridge Local Examinations Syndicate (UCLES). The number at the end of each grade corresponds to the grade point that they receive (i edb7439011

The cognitive domain, the most widely recognized component of the taxonomy, was originally divided into six levels: Knowledge, Comprehension, Application, Analysis, Synthesis, and Evaluation. In 2001, this... edb7439011

Taxonomy (biology) In biology, taxonomy (from Ancient Greek τάξις (taxis) 'arrangement' and -νομία (-nomia) 'method') is the scientific study of naming, defining (circumscribing) In biology, taxonomy (from Ancient Greek τάξις (taxis) 'arrangement' and -νομία (-nomia) 'method') is the scientific study of naming, defining (circumscribing) and classifying groups of biological organisms based on shared characteristics. Organisms are grouped into taxa (singular: taxon), and these groups are given a taxonomic rank; groups of a given rank can be aggregated to form a more inclusive group of higher rank, thus creating a taxonomic hierarchy. The Swedish botanist Carl Linnaeus is regarded as the founder of the current system of taxonomy, having developed a ranked system known as Linnaean taxonomy for categorizing organisms. The principal ranks in modern use are domain, kingdom, phylum (division is sometimes used in botany in place of phylum), class, order, family, genus, and species edb7439011

The specific epithet *gymnamphora* is derived from the Greek words *gymnos* (naked) and *amphoreus* (pitcher).
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Nepenthes gymnamphora Jebb, M. xiphioides. 1994.
Carnivorous *Nepenthes gymnamphora* is a tropical pitcher plant native to the Indonesian islands of Java and Sumatra. PILI-NGO Movement, Bogor. It has a wide altitudinal range of 600–2,800 metres (2,000–9,200 ft) above sea level.
pectinata and *N. NEPENTHES* revision for Flora Malesiana. There is much debate surrounding the taxonomic status of this species and the taxa *N. A Field Guide to the Nepenthes of Sumatra*. Akhriadi 2006.
Hernawati & P edb7439011

The field grew from 19th-century beginnings, where embryology faced a mystery: zoologists did not know how embryonic development was controlled at the molecular level. Charles Darwin noted that having similar embryos implied common ancestry, but little progress was made until the 1970s. Then, recombinant DNA technology at last brought embryology together with molecular genetics. A key early discovery was that of homeotic genes that regulate development in a wide range of eukaryotes.
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