A Dictionary Of Zoology Oxford Quick Reference

Dictionary of zoology with 6,000 entries offering comprehensive coverage of subjects such as, animal behavior, genetics, and evolution.
A Dictionary of ZoologyOxford University Press, USA
The Oxford Student's Mathematics Dictionary provides comprehensive revision and exam support to secondary school students. This fully updated new edition has more words to match the new curriculum requirements and the higher vocabulary expectations at GCSE and beyond. Its clear layout and helpful diagrams make it contemporary and easy to use.
The most up-to-date and authoritative dictionary of zoology available. It contains over 6,000 A-Z entries covering all aspects of the subject, from behavioural ecology and conservation biology to cytology and taxonomy. This is an essential source of reference for students and teachers of zoology as well as naturalists.
How Giraffes Work
A Handbook of Research in Biomimetics and Biohybrid Systems
A Dictionary of Animal Behaviour
Oxford Dictionary of Sports Science and Medicine
Encyclopedia of Weather and Climate
Animal behaviour is a central topic of zoology, and with the development of ideas concerning the role of genes as well as environment the subject has been transformed. Tristram Wyatt gives a modern view, including a sense of the power of gene knock-outs, computing and image analysis to enable detailed experiments and observations of behaviour.
Oxygen uptake for metabolic energy demand and the elimination of the resulting carbon dioxide is one of the essential processes in all higher life forms; in the case of animals, everything from protozoans to insects and vertebrates including humans. Respiratory Biology of Animals provides a contemporary and truly integrative approach to the topic, adopting a strong evolutionary theme. It covers aerobic metabolism at all levels, from gas exchange organs such as skin, gills, and lungs to mitochondria - the site of cellular respiration. The book also describes the functional morphology and physiology of the circulatory system, which often contains gas-carrying pigments and is important for pH regulation in the organism. A final section describes the evolution of animal respiratory systems. Throughout the book, examples are selected from the entire breadth of the animal kingdom, identifying common themes that transcend taxonomy.
Starting with concise accounts for all the marmoset and tamarin monkeys species, this important new book then goes on to review their geographical distributions and taxonomy, along with comparative reviews of vocalizations, scent-marking, mating systems, infant care and development, social organization, and behavior and ecology in the wild. Several of these small-primate species are rare or threatened, and the subjects discussed here are strongly relevant to their management in captivity as well as for understanding natural populations. This is the first volume in several years to review current knowledge of this family, which comprises 52 species and subspecies found in the area from Panama to southern Brazil.
Covering every aspect of animal behaviour from adaptation to warning, this accessible A-Z also includes terms from the related fields of ecology, physiology and psychology. Clear and informative entries on topics such as communication, learning, and navigation are backed up by examples and illustrations where appropriate. The new edition adds 80 new entries, expands coverage of behavioural ecology, cognitive ethology, and evolutionary theory, and brings the text up to date with new theories and research. An essential source of reference for students of biology, psychology, and zoology, and fascinating reading for all those interested in animal behaviour.
A Dictionary of Science
Design and Analysis of Quantitative Data
Effects of Climate Change on Birds
The Oxford Dictionary of Natural History
Respiratory Biology of Animals
With over 8500 entries, this informative dictionary addresses the social, legal, political and economic aspects of the environment and conservation as well as the scientific terms.
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.
Endowed with abundant water, extraordinary ecosystems, varied climates and biomes, our planet is teeming with creatures, great and small. What produced this rich diversity? How have so many species formed, evolved and adapted? What effects are humans having on the rest of the animal kingdom and on the natural environment we share? 30-Second Zoology explains the diversification process of evolution, then introduces the main groups of invertebrates and vertebrates. Breathing, seeing, communicating and other key features of animal physiology and behaviour are explored, as are the ecological relationships between Earth's myriad species – the predators, the prey, the parasites and the positively poisonous – before assessing the anthropogenic effects of pollution, over-harvesting and a changing climate. Covering everything from the origins of life and the most basic of organisms, all the way through to the more complex creatures that we recognise today, 30-Second Zoology aims to showcase the most fantastic examples of life on our earth, all in 300 words and one stunning illustration per topic.
The Oxford Student's Science Dictionary provides comprehensive revision and exam support to secondary school students. This fully updated new edition has more words to match the new curriculum requirements and the higher vocabulary expectations at GCSE and beyond. Its clear layout and helpful diagrams make it contemporary and easy to use.
The Secret World of Animals
A Dictionary of Environment and Conservation
A Dictionary of Zoology
Life through the Ages II
Oxford Dictionary of Word Origins
This book introduces the reader to the power of observation before, and sometimes instead of, experimental manipulation in the study of animal behaviour. It starts with simple and easily accessible methods suitable for student projects, before going on to demonstrate the possibilities that now exist for far more sophisticated analyses of observational data. At a time when animal welfare considerations are attracting political as well as scientific debate, the potential for non-intrusive studies on animals is being increasingly recognized. Observation emerges as a valuable alternative approach, often yielding highly informative results in situations (such as on zoos, farms or for wild animals) where more invasive experimental techniques would be undesirable, unethical or just plain impossible. However, to justify its place alongside experimentation as a rigorous scientific method, observation needs to be just as disciplined and systematic and have just as much attention paid to project design in the way that observations are made and recorded. Observing Animal Behaviour takes the reader through all these stages: from the initial observations, to the formulation of hypotheses, and their subsequent testing with further systematic observations. Although designed principally as a companion text for advanced undergraduate and students taking courses in animal behaviour, this accessible text will be essential reading for anyone wanting to study animal behaviour using observational methods rather than experimentation, and assumes no previous knowledge of animals, statistics or scientific method. It will be of particular relevance and use to those professional researchers and consultants in the behavioural sciences who seek a compact but comprehensive introduction to the quantitative observation of animal behaviour.
This is a comprehensive overview of wild and free-living giraffes. Graham Mitchell combines nearly every piece of published research about this species into the pages of this book, making it an incredibly useful book for researchers, scientists, and naturalists studying a single species.
This new edition includes 10,000 entries which cover all areas of geoscience, including planetary science, oceanography, palaeontology, mineralogy and volcanology. In this edition, 675 new entries have been added, and include expanded coverage of planetary geology and earth-observing-satellites. Other new entries terms such as Ianammox, Boomerangian, earth rheological layering, and metamorphic rock classification. The entries are also complemented by more than 130 diagrams and numerous web links that are listed on a regularly updated dedicated companion website. Appendices supplement the A-Z and have been extended to include three new tables on the Torino Impact Hazard Scale, Avalanche Classes, and the Volcanic Explosivity Index. The list of satellite missions has also been revised and updated to include recent developments. A Dictionary of Geology and Earth Sciences is an authoritative, and jargon-free resource for students of geology, geography, geosciences, physical science, and those in related disciplines.
See the animal kingdom in all its glory, from jellyfish to polar bears, with up-close details of their unique features from head to toe. Filled with magnificent photographs that were specially commissioned for this book and cannot be seen anywhere else. Written in association with the Smithsonian Institution. This visual reference book starts with the question "what is an animal?" and takes you through the animal kingdom - mammals, reptiles, birds, and sea creatures. It uses a unique head-to-toe approach that showcases in spectacular detail special features like the flight feathers of a parrot, the antenna of a moth, or the tentacles of coral. This visual encyclopedia is filled with clear and fascinating information on everything about the social lives of animals. Read exciting stories like how animals communicate, defend their territories, and attract mates. Learn how evolution has helped wildlife to adapt to their unique environments, whether it's the ability to live in difficult habitats, adjust to specific diets, or how they work physically. Humans have drawn and painted animals for thousands of years. Zoology has included some of these, like early rock art that depicts our awe of the animal kingdom or natural history artworks like those commissioned by the Mughal Courts in the 1600s. Dramatic Wildlife Photography Spectacular, never-before-seen photographs that will bring you close to many of the world's most captivating and intriguing inhabitants. This book offers an extraordinary introduction to the animal world by taking you through chapters that details their diversity. Go from head to toe in Zoology: - The animal kingdom - Shape and size - Skeletons - Skins, coats, and armor - Senses - Mouth and jaws - Legs, arms, tentacles, and tails - Fins, flippers, and paddles - Wings and parachutes - Eggs and offspring
Biology of Spiders
The Meaning of Everything
Oxford Student's Science Dictionary 2020
The Art of Classification
Animal Behaviour
Presents a two-volume reference featuring expanded, updated, and rewritten articles on subjects related to meteorology and climatology.
Have fun in the sun, drink lemonade in the shade and be inspired to write about pirates, kings and magic rings in the Oxford First Rhyming Dictionary. The dictionary contains a clear and simple alphabetical list of words that rhyme and rhyming sounds, as well as an index to make finding words simple. John Foster's lively poems accompany the rhyming sounds, and every page features bright and colourful illustrations. Children can expand their vocabulary, practise phonic sounds to help withspelling, and being to write their own rhymes! Writing, reciting and reading poetry is a requirement of the Primary curriculum, and the Oxford First Rhyming Dictionary is a perfect way to get into rhyme. For lots of FREE downloadable rhyming games, puzzles, activities and much more, go to www.oxforddictionaries.com/schools
A comprehensive paperback dictionary of botany, this edition provides over 5500 concise entries and includes coverage of biochemistry, plant physiology, cytology, ecology, genetics, evolution, biogeography, Earth history, and the Earth sciences. Previous ed.: 1998.
"We visit the ugly corrugated iron structure that Murray grandly dubbed the Scriptorium -- the Scrippy or the Shed, as locals called it -- and meet some of the legion of volunteers, from Fitzedward Hall, a bitter hermit obsessively devoted to the OED, to W.C. Minor, whose story is one of dangerous madness, ineluctable sadness, and ultimate redemption. The Meaning of Everything is a scintillating account of the creation of the greatest monument ever erected to a living language. Simon Winchester's supple, vigorous prose illuminates this dauntingly ambitious project -- a seventy-year odyssey to create the grandfather of all word-books, the world's unrivaled uber-dictionary. Book jacket."--Jacket.
Oxford English Dictionary
A Dictionary of Ecology, Evolution, and Systematics
Twenty-First Century Visions of Prehistory
Oxford Dictionary of Ecology

Contains alphabetically arranged entries that explore the origin, evolution, and social history of over three thousand English language words.
Fully revised and updated, the seventh edition of this popular dictionary is the ideal reference resource for students of chemistry, either at school or at university. With over 5000 entries—over 175 new to this edition—it covers all aspects of chemistry, from physical chemistry to biochemistry. The seventh edition boasts broader coverage in areas such as nuclear magnetic resonance, polymer chemistry, nanotechnology and graphene, and absolute configuration, increasing the dictionary's appeal to students in these fields. New diagrams have been added and existing diagrams updated to illustrate topics that would benefit from a visual aid. There are also biographical entries on key figures, featured entries on major topics such as polymers and crystal defects, and a chronology charting the main discoveries in atomic theory, biochemistry, explosives, and plastics.
Contemporary research in the field of robotics attempts to harness the versatility and sustainability of living organisms. By exploiting those natural principles, scientists hope to render a renewable, adaptable, and robust class of technology that can facilitate self-repairing, social, and moral--even conscious--machines. This is the realm of robotics that scientists call "the living machine." Living Machines can be divided into two entities-biomimetic systems, those that harness the principles discovered in nature and embody them in new artifacts, and biohybrid systems, which couple biological entities with synthetic ones. Living Machines: A handbook of research in biomimetic and biohybrid systems surveys this flourishing area of research. It captures the current state of play and points to the opportunities ahead, addressing such fields as self-organization and co-operativity, biologically-inspired active materials, self-assembly and self-repair, learning, memory, control architectures and self-regulation, locomotion in air, on land or in water, perception, cognition, control, and communication. In all of these areas, the potential of biomimetics is shown through the construction of a wide range of different biomimetic devices and animal-like robots. Biohybrid systems is a relatively new field, with exciting and largely unknown potential, but one that is likely to shape the future of humanity. Chapters outline current research in areas including brain-machine interfaces-where neurons are connected to microscopic sensors and actuators-and various forms of intelligent prostheses from sensory devices like artificial retinas, to life-like artificial limbs, brain implants, and virtual reality-based rehabilitation approaches. The handbook concludes by exploring the impact living machine technology will have on both society and the individual, by forcing human beings to question how we see and understand ourselves. With contributions from leading researchers drawing on ideas from science, engineering, and the humanities, this handbook will appeal to both undergraduate and postgraduate students of biomimetic and biohybrid technologies. Researchers in the areas of computational modeling and engineering, including artificial intelligence, machine learning, artificial life, biorobotics, neurorobotics, and human-machine interfaces, will find Living Machines an invaluable resource.
A comprehensive dictionary covering the science of biological diversity.
A Dictionary of Plant Sciences
A Very Short Introduction
How Zoologists Organize Things
A Dictionary of Media and Communication
30-Second Zoology
Climate change issues are attracting rapidly increasing interest from a wide range of biologists due to their unprecedented effects on global biodiversity including humans. This comprehensive and coherent volume provides an exhaustive and up-to-date synthesis of current level of knowledge as it relates to birds.
''An enchanting story about love, loss and the power of language' Elizabeth Macneal, author of The Doll Factory Sometimes you have to start with what's lost to truly find yourself... Motherless and irrepressibly curious, Esme spends her childhood at her father's feet as he and his team gather words for the very first Oxford English Dictionary. One day, she sees a slip of paper containing a forgotten word flutter to the floor unclaimed. And so Esme begins to collect words for another dictionary in secret: The Dictionary of Lost Words. But to do so she must journey into a world on the cusp of change as the Great War looms and women fight for the vote. Can the power of lost words from the past finally help her make sense of her future? Readers LOVE The Dictionary of Lost Words: 'If you only read one book this year, let it be this one!' 'If you're a fan of The Binding and The Betrayals you will surely love this' 'A glorious combination of words, growing up, friendship, love, feminism and so much more' 'The best love letter to words and language' 'This book broke my heart ... I highly recommend it to any historical fiction fans ... it's one I will be reading again'
This best-selling dictionary includes more than 3,800 entries covering all aspects of accounting, including financial accounting, financial reporting, management accounting, taxation, auditing, corporate finance, and accounting bodies and institutions. Its international coverage includes important terms from UK, US, Australia, India, and Asia-Pacific. Over 150 new entries have been added to this edition to reflect the very latest developments in the accounting profession, e.g. Accounting Council, European Financial Stability Mechanism, and General Anti-Abuse Rule. In addition, existing entries have been updated to cover the latest developments, most notably the Financial Reporting Standard Applicable in the UK and the Republic of Ireland, which sets out new rules in areas such as goodwill, hedge accounting, and fair value accounting. There is increased coverage of topics such as corporate governance, accounting ethics, accounting scandals, and major firms and professional bodies. With its authoritative and accessible definitions and its wide-ranging coverage, this dictionary is essential for students and professionals in accounting and finance. It is also an ideal source of reference for anyone seeking a clear guide to the often-confusing world of accountancy terms.
This unique dictionary is an authoritative and up-to-date reference book on all aspects of the study of plants. While many of the over 5,000 entries in The Concise Oxford Dictionary of Botany have been taken from the highly acclaimed Oxford Dictionary of Natural History, a substantial number have been written especially for this volume. Completely comprehensive, this dictionary offers concise and accessible explanations of terms from biogeology, evolution, earth history, and all the earth sciences, as well as up-to-date entries on more current fields of interest such as ecology, genetics, plant physiology, biochemistry, and cytology. In addition, the book offers world-wide coverage of taxonomic groups and takes full account of recent taxonomical revisions. One-third of the entries are devoted to taxa, from bacteria and fungi to the main groups of flowering and non-flowering plants. Brief biographical sketches of important botanists are also included. With almost twice the number of entries as any similar dictionary, The Concise Oxford Dictionary of Botany is perfect for amateur botanists, and anyone interested in the world around us.
The International Bestseller
The Story of the Oxford English Dictionary
Living Machines
Oxford Student's Mathematics Dictionary 2020
Marmosets and Tamarins
What was life like on our planet long before the early humans emerged? Paleontologist Dr. Mark P. Witton draws on the latest twenty-first century discoveries to re-create the appearances and lifestyles of extinct, fascinating species, the environments they inhabited, and the challenges they faced living on an ever-changing planet. A worthy successor to Charles Knight's beloved 1946 classic, Life through the Ages II takes us on an unforgettable journey through the evolution of life on Earth. Dozens of gorgeous color illustrations and meticulously researched, accompanying commentary showcase the succession of lost worlds, defining events, and ancient creatures that have appeared since the earth was formed, creating an indispensable guide to explore what came before us.
With over 6,000 entries, A Dictionary of Zoology is a detailed and authoritative guide to all areas of the field. It offers full taxonomic coverage of arthropods, other invertebrates, fish, reptiles, amphibians, birds, and mammals. It also includes terms from the areas of ecology, animal behaviour, evolution, earth history, zoogeography, genetics, and physiology. All entries have been fully revised and updated, making this the most up-to-date reference guide of its kind. There are around 400 entries new to this edition covering areas that include taxonomic groups, prefixes, and widely used descriptive terms. These include articles on micronucleus, stoma, platy-, proto-, and terrestrial. The dictionary is enriched through its useful web links, accessible via the companion website, as well as diagrams and detailed appendices. This fifth edition also includes a new Common Names appendix and three new illustrations.
This authoritative and up-to-date A-Z covers all aspects of interpersonal, mass, and networked communication, including digital and mobile media, advertising, journalism, and nonverbal communication. This new edition is particularly focused on expanding coverage of social media terms, to reflect its increasing prominence to media and communication studies as a whole. More than 2,000 entries have been revised, and over 500 new terms have been added to reflect current theoretical terminology, including concepts such as artificial intelligence, cisgender, fake news, hive mind, use theory, and wikiality. The dictionary also bridges the gap between theory and practice, and contains many technical terms that are relevant to the communication industry, including dialogue editing, news aggregator, and primary colour correction. The text is complemented by biographical notes and extensively cross-referenced, while web links supplement the entries. It is an indispensable guide for undergraduate students of media and communication studies, and also for those taking related subjects such as television studies, video production, communication design, visual communication, marketing communications, semiotics, and cultural studies.
Humankind's fascination with the animal kingdom began as a matter of survival – differentiating the edible from the toxic, the ferocious from the tractable. Since then, our compulsion to catalogue wildlife has played a key role in growing our understanding of the planet and ourselves, inspiring religious beliefs and evolving scientific theories. The book unveils wild truths and even wilder myths about animals, as perpetuated by zoologists – revealing how much more there is to learn, and unlearn. Animals were among the first subjects ever drawn by humans. Long before Darwin or Watson and Crick, our ancestors studied the visual similarities and differences between the creatures which inhabit the Earth alongside us. Early savants could sense there was an order, a scheme, which unified all life. The schemes they formulated often tell us as much about ourselves as they do about the animals depicted, highlighting obsessions, fears, revelations and hopes. The human quest to classify living beings has left us with a rich artistic legacy in four great stages—the folklore and religiosity of the ancient and Medieval world; the naturalistic cataloging of the Enlightenment; the evolutionary trees and maps of the nineteenth century; and the modern, computer-hued classificatory labyrinth. The aim of this book is to tell the story of our systematization of the beasts. These charts of the zoological world parallel prevailing artistic trends and scientific discoveries, woven together with philosophical threads that run throughout: animal life as parable, a tree, a maze, a terra incognita, a mirror upon ourselves.
Evolutionary and Functional Morphology
Oxford Student's Dictionary
The Concise Oxford Dictionary of Botany
The 50 most fundamental categories and concepts from the study of animal life
A Dictionary of Accounting
The only available paperback dictionary of zoology. This dictionary is a comprehensive and up-to-date reference work on all aspects of the study of animals. With over 5,000 entries, it is ideal for students and will be invaluable to amateur naturalists and all those with an interest in the subject. - ;This is the only available paperback dictionary of zoology. This dictionary is a comprehensive and up-to-date reference work on all aspects of the study of animals. Now with over 5,000 entries, it is ideal for students and will be invaluable to amateur naturalists and all those with an interest in the subject. It is illustrated with clear line drawings, and supported by useful appendices on the genetic code, endangered animals, and SI units. Wide coverage including animal behaviour, ecology, physiology, genetics, cytology, evolution, Earth history, zoogeography. Full taxonomic coverage of arthropods, other invertebrates, fish, reptiles, amphibians, birds, and mammals. Completely revised to incorporate the discovery of `extremophiles' - organisms living in environments formerly considered impossibly hostile - and the toxonomic reclassification that this has entailed. Featuring entires on genetics, evolutionary studies, and mammalian physiology. -
One of the only books to treat the whole spider, from its behavior and physiology to its neurobiology and reproductive characteristics, Biology of Spiders is considered a classic in spider literature. First published in German in 1979, the book is now in its third edition, and has established itself as the supreme authority on these fascinating creatures. Containing five hundred new references, this book incorporates the latest research while dispelling many oft-heard myths and misconceptions that surround spiders. Of special interest are chapters on the structure and function of spider webs and silk, as well as those on spider venom. A new subchapter on tarantulas will appeal especially to tarantula keepers and breeders. The highly accessible text is supplemented by exceptional, high-quality photographs, many of them originals, and detailed diagrams. It will be of interest to arachnologists, entomologists, and zoologists, as well as to academics, students of biology, and the general reader curious about spiders.
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This new dictionary covers a wide range of terms used in the field of forensic science, touching on related disciplines such as chemistry, biology, and anthropology. Case examples, figures, and photographs make it the ideal reference for students and practitioners of forensic science, as well as those with an interest in forensic science.
A Dictionary of Biology
The Concise Oxford Dictionary of Zoology
Observing Animal Behaviour
Zoology
A Dictionary of Geology and Earth Sciences
Defines terms and phrases from ecology, statistics, the earth sciences, atmospheric sciences, biochemistry, botany, and zoology, and identifies the scientific names for species of plants and animals
This bestselling dictionary contains more than 9,500 entries on all aspects of chemistry, physics, biology (including human biology), earth sciences, computer science, and astronomy. This fully revised edition includes hundreds of new entries, such as bone morphogenetic protein, Convention on Biological Diversity, genome editing, Ice Cube experiment, multi-core processor, PhyloCode, quarkonium, and World Wide Telescope, bringing it fully up to date in areas such as nanotechnology, quantum physics, molecular biology, genomics, and the science of climate change. Supported by more than 200 diagrams and illustrations the dictionary features recommended web links for many entries, accessed and kept up-to-date via the Dictionary of Science companion website. Other features include short biographies of leading scientists, full page illustrated features on subjects such as the Solar System and Genetically Modified Organisms, and chronologies of specific scientific subjects including plastics, electronics, and cell biology. With concise entries on an extensive list of topics, this dictionary is both an ideal reference work for students and a great introduction for non-scientists.
Oxford Dictionary of Sports Science and Medicine By Michael Kent
A Dictionary of Forensic Science
Systematics, Behaviour, and Ecology
The Dictionary of Lost Words
Oxford First Rhyming Dictionary
A Dictionary of Chemistry