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CAMBRIDGE IGCSE® & O LEVEL ESSENTIAL BIOLOGY: STUDENT BOOK THIRD EDITION

Oxford University Press - Children **The Cambridge IGCSE® & O Level Essential Biology Student Book is at the heart of delivering the course and provides a clear, step-by-step route though the syllabus that is ideal for EAL learners. It has been fully updated and matched to the latest Cambridge IGCSE (0610) & O Level (5090) Biology syllabuses. The book uses an engaging and exam-focused approach that is accessible to all abilities, with varied and flexible assessment support and exam-style questions that improve students' performance and ensure every learner reaches their full potential. It combines depth of subject matter and clarity of material with concise, well-presented content, and includes embedded language for EAL students. The Student Book is written by the experienced author team of our previous edition, Gareth Williams and Richard Fosbery, a Cambridge examiner. It has also been reviewed by subject experts globally to help meet teachers' needs. The Student Book is available in print, online or via a great-value print and online pack. The supporting Exam Success Guide and Practical Workbook help students achieve top marks in their exams, while the Workbook, for independent practice, strengthens exam potential inside and outside the classroom.**

ESSENTIAL FORENSIC BIOLOGY

John Wiley & Sons **A completely revised and updated edition that teaches the essentials of forensic biology, with increased coverage of molecular biological techniques and new information on wildlife forensics, wound analysis and the potential of microbiomes as forensic indicators This fully revised and updated introduction to forensic biology carefully guides the**

reader through the science of biology in legal investigations. Full-colour throughout, including many new images, it offers an accessible overview to the essentials of the subject, providing balanced coverage of the range of organisms used as evidence in forensic investigations, such as invertebrates, vertebrates, plants and microbes. The book provides an accessible overview of the decay process and discusses the role of forensic indicators like human fluids and tissues, including bloodstain pattern analysis, hair, teeth, bones and wounds. It also examines the study of forensic biology in cases of suspicious death. This third edition of *Essential Forensic Biology* expands its coverage of molecular techniques throughout, offering additional material on bioterrorism and wildlife forensics. The new chapter titled 'Wildlife Forensics' looks at welfare legislation, CITES and the use of forensic techniques to investigate criminal activity such as wildlife trafficking and dog fighting. The use of DNA and RNA for the identification of individuals and their personal characteristics is now covered as well, along with a discussion of the ethical issues associated with the maintenance of DNA databases. Fully revised and updated third edition of the successful student-friendly introduction to the essentials of *Forensic Biology* Covers a wide variety of legal investigations such as homicide, suspicious death, neglect, real and fraudulent claims for the sale of goods unfit for purpose, the illegal trade in protected species of plants and animals and bioterrorism Discusses the use of a wide variety of biological material for forensic evidence Supported by a website that includes numerous photographs, interactive MCQs, self-assessment quizzes and a series of questions and topics for further study to enhance student understanding Includes a range of important, key case studies in which the difficulties of evaluating biological evidence are highlighted *Essential Forensic Biology, Third Edition* is an excellent guide for undergraduates studying forensic science and forensic biology.

ESSENTIAL BIOLOGY FOR CAMBRIDGE IGCSE(R) 2ND EDITION

PRINT STUDENT BOOK

With a clear, concise approach, this comprehensive resource will support your EAL learners in understanding key scientific concepts. A step-by-step approach will help every learner reach their potential in science. This second edition is up-to-date for the latest Cambridge syllabus, and we are working with Cambridge towards endorsement.

ESSENTIALS OF STEM CELL BIOLOGY

Academic Press First developed as an accessible abridgement of the successful *Handbook of Stem Cells*, *Essentials of Stem Cell Biology* serves the needs of the evolving population of scientists, researchers, practitioners and students that are embracing the latest advances in stem cells. Representing the combined effort of seven editors and more than 200

scholars and scientists whose pioneering work has defined our understanding of stem cells, this book combines the prerequisites for a general understanding of adult and embryonic stem cells with a presentation by the world's experts of the latest research information about specific organ systems. From basic biology/mechanisms, early development, ectoderm, mesoderm, endoderm, methods to application of stem cells to specific human diseases, regulation and ethics, and patient perspectives, no topic in the field of stem cells is left uncovered. Selected for inclusion in Doody's Core Titles 2013, an essential collection development tool for health sciences libraries Contributions by Nobel Laureates and leading international investigators Includes two entirely new chapters devoted exclusively to induced pluripotent stem (iPS) cells written by the scientists who made the breakthrough Edited by a world-renowned author and researcher to present a complete story of stem cells in research, in application, and as the subject of political debate Presented in full color with glossary, highlighted terms, and bibliographic entries replacing references

ESSENTIALS OF GLYCOBIOLOGY

CSHL Press Sugar chains (glycans) are often attached to proteins and lipids and have multiple roles in the organization and function of all organisms. "Essentials of Glycobiology" describes their biogenesis and function and offers a useful gateway to the understanding of glycans.

ESSENTIAL CELL BIOLOGY

Garland Pub "This text provides basic, core knowledge about how cells work and uses colour images and diagrams to emphasize concepts and aid understanding."--From publisher's description

ESSENTIALS OF EDUCATIONAL TECHNOLOGY, 3RD EDITION

Vikas Publishing House Specially designed as a standard text for teacher training colleges, this book is essentially 'student-centred' and 'examination-oriented'. It has stood the test of time as it fully meets the changing needs of the students preparing for BEd, LT, BT and BA (Edu) examinations, and provides a comprehensive treatment of all topics on which questions are usually asked. The book aims at enabling students not only to have a complete grasp of the concepts, but also obtain maximum marks in the examinations. Practical approach of the book also makes it useful for in-service programmes for various categories of personnel in education, and its authoritative coverage makes it relevant in the Middle-East and South-East Asian countries. Readers will find it a trustworthy friend, philosopher and guide. The third edition accounts for the advances in technology during the last seven years (when this book was last revised) as also the changing educational system. **NEW IN THE THIRD EDITION** • Additional chapters on: ● Hardware Technology, Audio Visual Aids and

Media in Education ● Computer and Computer Assisted Instruction (CAI) ● Software, Courseware Development and Design Considerations ● Internet and I-learning • Enlargement and subsequent splitting of the chapter on Mass Media into Mass Media-I and Mass Media-II—the second part to focus on TV • Augmented question bank at the end of chapters that includes objective-type questions, like MCQs and Fill in the blanks • Improved readability and presentation

ESSENTIALS OF BIOLOGY

STUDY GUIDE TO ACCOMPANY NASM ESSENTIALS OF PERSONAL FITNESS TRAINING, THIRD EDITION

Lippincott Williams & Wilkins **Designed to accompany the new Third Edition of the National Academy of Sports Medicine's NASM Essentials of Personal Fitness Training, this study guide is suitable for coursework and for students preparing for the NASM Certified Personal Trainer certification exam. It includes matching, vocabulary, short answer, and multiple-choice exercises. Answers are also provided.**

ESSENTIAL LINKS FOR WIRE JEWELRY, 3RD EDITION

Fox Chapel Publishing **Learn to make and connect wire links to create stunning jewelry! Use your favorite jewelry wire, from gold and silver to copper and bronze, to create more than 300 different wire links that can be used in countless combinations to form necklaces, earrings, and bracelets. Internationally renowned artist and best-selling author Lora S. Irish shows you how to use a handful of tools and materials to produce fun and elegant pieces simply by learning the basic steps. After you have mastered the art of twisting and coiling jewelry links, you can let your imagination run wild. Experiment with color, new shapes, and combining elements to enhance your wardrobe with pieces that are truly your own. Ten stunning projects are included to get you started and inspire your jewelry making creativity.**

ESSENTIAL CELL BIOLOGY

Garland Science **Essential Cell Biology provides a readily accessible introduction to the central concepts of cell biology, and its lively, clear writing and exceptional illustrations make it the ideal textbook for a first course in both cell and molecular biology. The text and figures are easy-to-follow, accurate, clear, and engaging for the introductory student. Molecular detail has been kept to a minimum in order to provide the reader with a cohesive conceptual framework for the basic science that underlies our current understanding of all of biology, including the biomedical sciences. The Fourth Edition has been thoroughly revised, and covers the latest developments in this fast-moving field, yet retains the academic level and length of the previous edition. The book is accompanied by a rich package of online student and instructor resources, including over 130**

narrated movies, an expanded and updated Question Bank. Essential Cell Biology, Fourth Edition is additionally supported by the Garland Science Learning System. This homework platform is designed to evaluate and improve student performance and allows instructors to select assignments on specific topics and review the performance of the entire class, as well as individual students, via the instructor dashboard. Students receive immediate feedback on their mastery of the topics, and will be better prepared for lectures and classroom discussions. The user-friendly system provides a convenient way to engage students while assessing progress. Performance data can be used to tailor classroom discussion, activities, and lectures to address students' needs precisely and efficiently. For more information and sample material, visit <http://garlandscience.rocketmix.com/>.

BIOLOGY

THE ESSENTIALS

McGraw Hill LLC "I have been teaching nonmajors biology at the University of Oklahoma since 1997 and over that time have encountered many students who fear science in general and biology in particular. The complexity, abstractions, and unfamiliar terms can seem overwhelming at first, but with practice, I know that anyone can think like a scientist. Learning to think scientifically is important well beyond passing your biology class. After all, scientific issues confront you every day as you navigate your life and your social media accounts. How do you know if a claim about climate change is scientific? Will you be able to identify misinformation and interpret graphs during the next global health crisis? This book will teach you not only to understand the scientific terms you encounter but also to distinguish "good science" from unscientific claims. I've created the following features to help you make the transition from memorizing facts to understanding concepts—from accepting scientific claims to analyzing them for yourself. These tools will help you to pass your class and to be an informed citizen"--

ESSENTIAL QUANTITATIVE APTITUDE FOR COMPETITIVE EXAMS - 2ND EDITION

Disha Publications

ESSENTIAL CALCULUS: EARLY TRANSCENDENTALS, ENHANCED EDITION

Cengage Learning The Enhanced Edition of Stewart's Essential Calculus: Early Transcendentals is accompanied by an WebAssign course, featuring thousands of additional algorithmic problems, stepped out solutions, and new learning tools for students. The Enhanced Edition also offers an online version of the textbook in the form of an eBook, giving students the

opportunity to access their textbook from anywhere. Students have access to the Quick Start Guide for WebAssign, which allows seamless transition from the original text to the enhanced book. This book is a response to those instructors who feel that calculus textbooks are too big. In writing the book James Stewart asked himself: What is essential for a three-semester calculus course for scientists and engineers? Stewart's **ESSENTIAL CALCULUS: EARLY TRANSCENDENTALS, ENHANCED EDITION** offers a concise approach to teaching calculus that focuses on major concepts and supports those concepts with precise definitions, patient explanations, and carefully graded problems. Essential Calculus: Early Transcendentals, Enhanced edition contains almost all of the same topics as the large text. The author achieved this relative brevity mainly by condensing the exposition and by putting some of the features on the website, www.StewartCalculus.com. Despite the reduced size of the book, there is still a modern flavor: Conceptual understanding and technology are not neglected, though they are not as prominent as in Stewart's other books. **ESSENTIAL CALCULUS: EARLY TRANSCENDENTALS, ENHANCED EDITION** has been written with the same attention to detail, eye for innovation, and meticulous accuracy that have made Stewart's textbooks the best-selling calculus texts in the world. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

ESSENTIAL JAZZ LINES IN THE STYLE OF CHARLIE PARKER, FLUTE EDITION

Mel Bay Publications Charlie Parker was arguably one of the most influential jazz musicians to have ever lived. This text presents numerous jazz lines in Charlie's style, grouped by their application in a given harmonic content. Students will learn to connect lines to play over ii-V-I progressions, turnarounds and other harmonic frameworks. to facilitate proficiency in all twelve keys, each section of the book has a chordal play-along that modulates around the circle of fourths. Some of the techniques used in the Charlie Parker style will also be discussed with examples provided. This will help musicians analyze each of the ideas presented, further ensuring their mastery.

ESSENTIALS OF BACTERIOLOGY: BEING A CONCISE AND SYSTEMATIC INTRODUCTION TO THE STUDY OF MICRO-ORGANISMS

THE SHARK HANDBOOK: SECOND EDITION

THE ESSENTIAL GUIDE FOR UNDERSTANDING THE SHARKS OF THE WORLD

Cider Mill Press This fully revised and updated edition of the bestselling **SHARK HANDBOOK** features an all-new, expanded feature on the Great

White Shark, plus stunning, full-color photos and a complete overview of every known shark in the world! There's no one better than Greg Skomal to detail sharks in this comprehensive, stunning field guide. In addition to a definitive, fully up-to-date feature on the Great White, plus amazing original images from Skomal and award-winning National Geographic photographer Nick Caloyianis throughout, this handbook contains a complete listing of every known shark in existence as well as some extinct species. Learn about sharks from their birth to death, their anatomy, how to distinguish one shark from the next, how their teeth are developed, how they hunt and attack, and their importance and purpose within our eco system. This is the perfect gift for any shark fan!

ESSENTIALS OF MATERIALS SCIENCE AND ENGINEERING, SI EDITION

Cengage Learning Discover why materials behave as the way they do with **ESSENTIALS OF MATERIALS SCIENCE AND ENGINEERING, 4TH Edition**. Materials engineering explains how to process materials to suit specific engineering designs. Rather than simply memorizing facts or lumping materials into broad categories, you gain an understanding of the whys and hows behind materials science and engineering. This knowledge of materials science provides an important a framework for comprehending the principles used to engineer materials. Detailed solutions and meaningful examples assist in learning principles while numerous end-of-chapter problems offer significant practice. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

ÉCOSCIENCE

CANADIAN ESSENTIALS OF NURSING RESEARCH

Lippincott Williams & Wilkins "Completely revised With timely content and state-of-the-art research undertaken by Canadian nurse researchers, the Third Edition of this trusted resource provides the guidance you need to effectively critique every aspect of nursing research and apply the results to clinical practice. Canadian Essentials of Nursing Research uses clear, straightforward language and a "user-friendly" presentation to help you understand, retain, and apply fundamental concepts with ease." --Book Jacket.

ESSENTIALS OF THE DISEASES OF THE EAR ...

ESSENTIALS OF MEDICAL ELECTRICITY

ESSENTIALS OF REFRACTION AND THE DISEASES OF THE EYE

ESSENTIALS OF LEGAL MEDICINE, TOXICOLOGY AND HYGIENE

ESSENTIAL JAZZ LINES IN THE STYLE OF CHARLIE PARKER, BASS EDITION

Mel Bay Publications Charlie Parker was arguably one of the most influential jazz musicians to have ever lived. This text presents numerous jazz lines in Charlie's style, grouped by their application in a given harmonic content. Students will learn to connect lines to play over ii-V-I progressions, turnarounds and other harmonic frameworks. to facilitate proficiency in all twelve keys, each section of the book has a chordal play-along that modulates around the circle of fourths. Some of the techniques used in the Charlie Parker style will also be discussed with examples provided. This will help musicians analyze each of the ideas presented, further ensuring their mastery.

ESSENTIAL SNMP

"O'Reilly Media, Inc." A practical introduction to SNMP for system network administrators. Starts with the basics of SNMP, how it works and provides the technical background to use it effectively.

SYLLABUS OF GYNECOLOGY

ESSENTIAL OILS (FULLY REVISED AND UPDATED 3RD EDITION)

A COMPREHENSIVE HANDBOOK FOR AROMATIC THERAPY

Singing Dragon Revised and significantly expanded, the latest edition of this handbook provides full information on the use of essential oils in the field of contemporary aromatherapy and aromatic therapy, based on the most up-to-date research evidence behind their therapeutic applications. The third edition features a fully updated and expanded contents including detailed Aromatic Profiles of over 250 essential oils, absolutes and resinoids, a new chapter on the latest research in pharmacognosy to foster an understanding of how essential oils work, and a new chapter on formulating essential oils, based on theory and evidence and containing practical suggestions. The author provides a detailed account of how essential oils are created, how and where aromatherapy is used, and the underlying pharmacology and chemistry. This will be an indispensable text for all students and practitioners of aromatherapy and related disciplines, as well as anyone interested in the use of essential oils for health and well-being.

ESSENTIAL ENDODONTOLOGY

PREVENTION AND TREATMENT OF APICAL PERIODONTITIS

John Wiley & Sons The authoritative reference that continues to present a systematic analysis of the scientific basis of endodontology The third edition of *Essential Endodontology: Prevention and Treatment of Apical*

Periodontitis has been revised and updated to include the most recent developments in the field, maintaining its position as the major scientific treatise of apical periodontitis. Making an often-complex subject more digestible, the book explores the scientific basis of endodontology, adopting a systematic analysis of the available clinical and laboratory evidence. Promoting apical periodontitis as a disease entity, the comprehensive third edition focuses on its biology and clinical features, enabling the reader to have a better understanding of its diagnosis, prevention and treatment. In addition to thorough updates and full colour illustrations throughout, a new chapter on regenerative endodontics has been added to this edition. Written with a focus on the scientific basis of endodontology Includes a new chapter on regenerative endodontics Presents the most current information and major developments in this fast-moving field Provides helpful learning outcomes in each chapter Contains full colour illustrations, enriching the text Features contributions from a noted panel of international experts, including new contributors from across the globe Regarded as a vital companion to the pursuit of excellence in postgraduate and specialist education, *Essential Endodontology* is an indispensable and accessible resource for practicing endodontists, postgraduate students of endodontology and those seeking professional certification in endodontology.

ESSENTIAL SYSTEM ADMINISTRATION

TOOLS AND TECHNIQUES FOR LINUX AND UNIX ADMINISTRATION

O'Reilly Media "**Essential System Administration**" takes an in-depth look at the fundamentals of UNIX system administration in a real-world, heterogeneous environment. Beginners or experienced administrators will quickly be able to apply its principles and advice to their everyday problems.

ESSENTIAL PSYCHOTHERAPIES, FOURTH EDITION

THEORY AND PRACTICE

Guilford Publications **Acclaimed** for its clear writing and stellar contributors, this authoritative text is now in a revised and updated fourth edition. The book explains the history, assessment approach, techniques, and research base of each of the 12 most important psychotherapies practiced today, along with its foundational ideas about personality and psychological health and dysfunction. The consistent chapter format facilitates comparison among the various approaches. Every chapter includes engaging clinical vignettes and an extended case example that bring key concepts to life, as well as suggested resources for further learning. **New to This Edition** *Incorporates important developments in clinical practice and research. *Entirely new chapters on CBT, third-wave CBT, couple therapies, and interpersonal and brief psychodynamic therapies; all other

chapters fully updated. *Increased attention to multiple dimensions of diversity, the evidence-based practice movement, psychotherapy integration, and applications to physical health care.

CAMBRIDGE IGCSE® AND O LEVEL ESSENTIAL BIOLOGY: WORKBOOK THIRD EDITION

Oxford

KOZIER & ERB'S FUNDAMENTALS OF NURSING AUSTRALIAN EDITION

Pearson Higher Education AU **Kozier and Erb's Fundamentals of Nursing prepares students for practice in a range of diverse clinical settings and help them understand what it means to be a competent professional nurse in the twenty-first century. This third Australian edition has once again undergone a rigorous review and writing process. Contemporary changes in the regulation of nursing are reflected in the chapters and the third edition continues to focus on the three core philosophies: Person-centred care, critical thinking and clinical reasoning and cultural safety. Students will develop the knowledge, critical thinking and clinical reasoning skills to deliver care for their patients in ways that signify respect, acceptance, empathy, connectedness, cultural sensitivity and genuine concern.**

ESSENTIAL TEXTS ON INTERNATIONAL AND EUROPEAN CRIMINAL LAW 8TH EDITION, UPDATED UNTIL 1 JANUARY 2015

Maklu **This volume comprises the principal policy documents and multilateral legal instruments on international and European criminal law, with a special focus on Europol and Eurojust as well as on initiatives aimed at combating international or organized crime or terrorism. The texts have been ordered according to the multilateral co-operation level within which they were drawn up: either Prüm, the European Union (comprising also Schengen-related texts), the Council of Europe or the United Nations. It is meant to provide students as well as practitioners (judicial and law enforcement authorities, lawyers, researchers, ...) throughout Europe with an accurate, up-to-date edition of essential texts on these matters.**

ESSENTIAL DEVELOPMENTAL BIOLOGY

John Wiley & Sons **TO ACCESS THE DEDICATED TEXTBOOK WEBSITE, PLEASE VISIT www.blackwellpublishing.com/slack Essential Developmental Biology, 2nd Edition, is a concise and well-illustrated treatment of this subject for undergraduates. With an emphasis throughout on the evidence underpinning the main conclusions, this book is suitable as the key text for both introductory and more advanced courses in developmental biology. Includes new chapters on Evolution & Development, Gut Development, & Growth and Aging. Contains expanded treatment of mammalian fertilization, the heart and stem cells. Now features a glossary, notated further reading, and key discovery boxes. Illustrated with over 250**

detailed, full-color drawings. Accompanied by a dedicated website, featuring animated developmental processes, a photo gallery of selected model organisms, and all art in PowerPoint and jpeg formats (also available to instructors on CD-ROM). An Instructor manual CD-ROM for this title is available. Please contact our Higher Education team at HigherEducation@wiley.com for more information.

ESSENTIALS OF RADIATION, BIOLOGY AND PROTECTION

Cengage Learning Easy-to-read and engaging, this text offers a succinct overview of radiation biology and protection concepts. It teaches both why and how to protect yourself and patients from ionizing radiation. Emphasis is placed on integrating the theory of radiation protection as seen in radiobiology with radiation protection as it should be practiced in the clinical education setting. The text discusses cell structure, the direct and indirect effects of radiation at the cellular level, biological effects of radiation exposure, and protection practices for both patients and personnel. Current regulations and recommendations are in compliance with the educational requirements established by the American Society of Radiologic Technologists (ASRT). Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

ESSENTIAL 18000 MEDICAL WORDS DICTIONARY IN ENGLISH-SOMALI

Nam H Nguyen a great resource anywhere you go; it is an easy tool that has just the words you want and need! The entire dictionary is an alphabetical list of medical words with definitions. This eBook is an easy-to-understand guide to medical terms for anyone anyways at any time. The content of this eBook is only to be used for informational purposes. ilo wanaagsan oo meelkasta oo aad tagto; waa qalab fudud oo leh ereyada aad rabto oo aad u baahan tahay! Qaamuuska oo dhan waa liiska xarfaha ah ee erayada caafimaadka oo leh qeexitaanno. EBookintaani waa sahal u-fahamka shuruudaha caafimaadka ee qofkasta mar walba wakhti kasta. Waxyaalaha buug-gacmeedkan waxaa kaliya loo isticmaali karaa ujeedooyin macluumaad.

PARTHA'S FUNDAMENTALS OF PEDIATRICS

JP Medical Ltd Fully revised, second edition bringing trainees and physicians fully up to date with the latest developments and rapidly changing concepts in the field of paediatrics.

ESSENTIAL GUIDE TO DANCE, 3RD EDITION

Hachette UK This third edition of the bestselling text **ESSENTIAL GUIDE TO DANCE** is thoroughly updated to meet the new AS/A2 specifications and relevant Applied A-levels, BTEC and other Dance qualifications. Now in full colour, highly illustrated, and packed with tasks and activities to cover all

aspects of current courses, this text will appeal to both teachers and students. Students are brought right up to date with clear explanations of choreography, performance and appreciation of Dance, as well as recent examples of new set works and choreographers. With further video and photo interactive analysis tasks, the addition of short revision tests and updated professional examples alongside many contemporary photographs, **ESSENTIAL GUIDE TO DANCE Third Edition** provides students with comprehensive support and guidance. With its emphasis on the practical aspects of Dance and its interactive features that encourage effective learning, **ESSENTIAL GUIDE TO DANCE Third Edition** will be essential for all students of Dance and their teachers. Linda Ashley has extensive experience as a writer, choreographer, performer and teacher of Dance. Linda is currently Dance Research Leader at AUT University, New Zealand, Linda has written several Dance titles, published in the UK and New Zealand, including the two previous bestselling editions of **ESSENTIAL GUIDE TO DANCE**, both published by Hodder.

REPRODUCTIVE SCIENCES IN ANIMAL CONSERVATION

Springer Nature This second edition emphasizes the environmental impact on reproduction, with updated chapters throughout as well as complete new chapters on species such as sharks and rays. This is a wide-ranging book that will be of relevance to anyone involved in species conservation, and provides critical perspectives on the real utility of current and emerging reproductive sciences. Understanding reproductive biology is centrally important to the way many of the world's conservation problems should be tackled. Currently the extinction problem is huge, with up to 30% of the world's fauna being expected to disappear in the next 50 years. Nevertheless, it has been estimated that the global population of animals in zoos encompasses 12,000 - 15,000 species, and we anticipate that every effort will be made to preserve these species for as long as possible, minimizing inbreeding effects and providing the best welfare standards available. Even if the reproductive biology community cannot solve the global biodiversity crisis for all wild species, we should do our best to maintain important captive populations. Reproductive biology in this context is much more than the development of techniques for helping with too little or too much breeding. While some of the relevant techniques are useful for individual species that society might target for a variety of reasons, whether nationalistic, cultural or practical, technical developments have to be backed up by thorough biological understanding of the background behind the problems.