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Human Reproductive Biology Human Reproductive Biology Human Reproductive Biology **Textbook of Human Reproductive Genetics Exercise and Human Reproduction Conception to Birth A Guide to Reproduction** Physiology of Human Reproduction *Biology - Question Bank & Mnemonics Animal Models and Human Reproduction* **The End of Sex and the Future of Human Reproduction** **Biology of Human Reproduction** Hormones in Human Reproduction **Reproductive Biology of the Great Apes** **Human Reproductive and Prenatal Genetics Concepts of Biology** **Human Reproduction Multicultural and Interreligious Perspectives on the Ethics of Human Reproduction** **Chemical Hazards to Human Reproduction** **The Reproductive System at a Glance How We Do It** *Reproductomics* Dynamics of Human Reproduction *Advances in Human Reproduction* **Scanning Electron Microscopy of Human Reproduction** **Human Reproductive Behaviour** Dynamics of Human Reproduction *The Biology and Medical Dynamics of Human Reproduction* Managing Ultrasonography in Human Reproduction *Chemical Hazards to Human Reproduction* **Biotechnology of Human Reproduction** *The Immunology of Human Reproduction* *The Seed* **The Right to Know** *Human Reproduction Beyond the Family* Epidemiology of Human Reproduction **Human Reproduction and Development** *The*

Routledge Handbook of Anthropology and Reproduction Essential Reproduction

Reproductive Biology of the Great Apes: Comparative and Biomedical Perspectives discusses the great ape reproduction. The book opens with the menstrual cycle of apes as a good foundation for the subject areas that follow. Accordingly, Chapter 2 focuses on the endocrine changes during the stage of pregnancy among apes, specifically the hormonal changes in chimpanzee. Chapter 3 deals mainly on the condition postpartum amenorrhea. In Chapter 4, the reproductive and endocrine development - from fetal development, infancy, juvenile, to puberty - is discussed. Chapters 5 and 6 thoroughly discuss the female and male ape's genital tract and their secretions. The sole topic of Chapter 7 deals mainly with the comparative aspects of ape steroid hormone metabolism. Meanwhile, Chapter 8 tackles laboratory research on apes' sexual behavior. The succeeding chapters talk about the chimpanzee, gorilla, and orangutan reproduction in the wild. Chapters 12 and 13 basically look upon the behaviors of the great apes, specifically intermale competition and sexual selection. The next chapters (14 and 15) look at the necessity of breeding and managing apes in captivity to ensure their continued survival. Lastly, Chapter 16 highlights the significance and great value of apes as models and comparative study in human reproduction. This book will be of great use to human physiologists, comparative anatomists and zoologists, primatologists, ape breeders, and biomedical scientists. Human Reproductive Biology focuses on the processes, concerns, and trends in human reproduction. Divided into four parts with 19 chapters, the book starts by tracing the history of human reproduction biology and the questions and choices involved. The first part focuses on the male and female reproductive systems. The text notes the different organs involved in reproduction, including the penis, scrotum, vagina, oviducts, and mammary

glands. The book discusses sexual development and differentiation, particularly noting the variance of sex ducts and glands, external genitalia, and disorders of ... Essential Reproduction provides an accessible account of the fundamentals of reproduction within the context of cutting-edge knowledge and examples of its application. The eighth edition of this internationally best-selling title provides a multidisciplinary approach integrating anatomy, physiology, genetics, behaviour, biochemistry, molecular biology and clinical science, to give thorough coverage of the study of mammalian reproduction. Key features: Contains discussion of the latest on conceptual, informational and applied aspects of reproduction New pedagogical features such as clinical case studies at the end of each chapter Better use of boxed material to improve separation of narrative text from ancillary information Highlighted key words for ease of reference relate to summary of key points Introduction now split into two sections Expanded content in Fetal challenges, and Society and reproduction Substantial rearrangement and updating in Making sperm, Controlling fertility, and Restoring fertility Physiology of Human Reproduction provides students with a concise and accessible overview of more than 200 vital concepts, from the basic physiology of the male and the nonpregnant female, to fertilization, embryonic and fetal growth, labor, lactation, and more. Presented in a readable style, key terms are highlighted throughout the main text to enable students to quickly find a concept and read the appropriate information. Whether reading the book from cover to cover, or using a focused approach to learn about specific concepts, readers will find this textbook to be an invaluable tool for increasing their understanding of human reproduction. An essential companion for standard Anatomy and Physiology courses, this student-friendly textbook: Covers physiology of the male, the physiology of the nonpregnant female, pregnancy and lactation, and age-related changes such as menopause Discusses pregnancy, birth control, and the

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reproductive system in childhood, adolescence, and puberty Describes the anatomy, physiology, and phases of the human sexual response Explains genetic conditions and disorders including androgen insensitivity syndrome and Kallman's syndrome Physiology of Human Reproduction is a must-have learning guide for students in the medical and life sciences, including medicine, nursing, biology, physiology, and biomedicine, as well as those in courses covering human reproduction and pregnancy. The primary objective of this book is help Medical Admission Candidates. Chapters in this book are based upon Class 11 and Class 12 format of CBSE. Of Course the book would serve as useful help for CBSE Class 11 and Class 12 students. Mnemonics and Multiple Choice Questions are listed for every chapter. The book content ends with 20 sets of 20 MCQs each, from all chapters combined. This is an exceptionally comprehensive and detailed medical and scientific reference book documenting current knowledge and advances in the clinical significance of research in all areas of human reproduction. It contains 77 chapters by world-class experts on assisted reproduction, contraception, early pregnancy loss, endocrinology, endoscopy, human reproduction, male fertility and impotence, menopause, reproductive ethics, safe motherhood, and sterilization. The extensive reference lists with each chapter are alone worth the price of this large, wide-ranging volume. Human Reproductive and Prenatal Genetics, Second Edition provides application-driven coverage of key topics in human reproductive and prenatal genetics, including genetic control underlying the development of the reproductive tracts and gametogenesis, the genetics of fertilization and implantation, the genetic basis of female and male infertility, as well as genetic and epigenetic aspects of assisted reproduction. Also examined are the genetics and epigenetics of the placenta in normal and abnormal pregnancy, preimplantation genetic diagnosis and screening, and cutting-edge advances in noninvasive prenatal screening, prenatal genetic counseling, and bioethical and

medicolegal aspects of relevance in the lab and clinic. This new edition has been fully revised to address new and evolving technologies in human reproductive genetics, with new chapters added on chromatin landscapes and sex determination, genetic alterations of placental development and preeclampsia, metabolism and inflammation in PCOS, pre-implantational genetic testing, maternal genetic disorders, bioethics, and future applications. Features chapter contributions from leading international scientists and clinicians Provides in-depth coverage of key topics in human reproductive and prenatal genetics, including genetic controls, fertilization, placental development, embryo implantation, in vitro culture of the human embryo for the study of post-implantation development, and more Identifies how researchers and clinicians can implement the latest genetic, epigenetic, and -omics-based approaches Includes all new chapters on evolving technologies and recent genetic discoveries of relevance to reproductive medicine The Routledge Handbook of Anthropology and Reproduction is a comprehensive overview of the topics, approaches, and trajectories in the anthropological study of human reproduction. The book brings together work from across the discipline of anthropology, with contributions by established and emerging scholars in archaeological, biological, linguistic, and sociocultural anthropology. Across these areas of research, consideration is given to the contexts, conditions, and contingencies that mark and shape the experiences of reproduction as always gendered, classed, and racialized. Over 39 chapters, a diverse range of international scholars cover topics including: Reproductive governance, stratification, justice, and freedom. Fertility and infertility. Technologies and imaginations. Queering reproduction. Pregnancy, childbirth, and reproductive loss. Postpartum and infant care. Care, kinship, and alloparenting. This is a valuable reference for scholars and upper-level students in anthropology and related disciplines associated with reproduction, including sociology, gender

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studies, science and technology studies, human development and family studies, global health, public health, medicine, medical humanities, and midwifery and nursing. This book covers human female biology, how the menstrual cycle is controlled, how steroidogenesis is controlled and how the follicle and the egg are formed. This book covers male biology, and how steroid hormones are made, and how sperm are synthesised and matured. Then this book covers sex biology, such as how the brain deals with libido and sexual images, and how the brain controls erection and ejaculation. This book deals with how sperm are matured upon intercourse, how fertilisation takes place, and how the fertilised embryo is matured and implants in the uterus. The subjects of sexuality and homosexuality, chromosome disorders and hydatidiform moles are carefully discussed and considered. Sexual maturation of the foetus during pregnancy is carefully considered. This book carefully describes puberty, adrenarche and menarche. The subject of menopause is carefully considered. The subject of major bacterial and viral and sexual diseases is carefully considered as is the subject of reproductive cancers. In writing this book, care has been taken to update everything and check out the information available on medline and on the internet. This is a textbook for undergraduates, medical students and graduates describing all the details of human reproduction. It is also the only up-to-date book on the market. Having examined a total 70 books on human reproduction, obstetrics and gynaecology, they all, with no exceptions, include mostly out-of-date science. This is corrected in this book. This book is also a monograph for reproductive biology scientists, covering all the most recent findings in this field. It can also be sold as a general obstetrics and gynaecology information source for use by physicians, the general public and in libraries. This is a unique one-of-a-kind reference on human reproduction. The fourth edition of Human Reproductive Biology—winner of a 2015 Textbook Excellence Award (Texty) from The Text and Academic Authors Association—emphasizes the

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biological and biomedical aspects of human reproduction, explains advances in reproductive science and discusses the choices and concerns of today. Generously illustrated in full color, the text provides current information about human reproductive anatomy and physiology. This expansive text covers the full range of topics in human reproduction, from the biology of male and female systems to conception, pregnancy, labor and birth. It goes on to cover issues in fertility and its control, population growth and family planning, induced abortion and sexually transmitted diseases. This is the ideal book for courses on human reproductive biology, with chapter introductions, sidebars on related topics, chapter summaries and suggestions for further reading. Winner of a 2015 Texty Award from the Text and Academic Authors Association Beautifully redrawn full-color illustrations complement completely updated material with the latest research results, and clear, logical presentation of topics Covers the basic science of reproduction—endocrinology, anatomy, physiology, development, function and senescence of the reproductive system—as well as applied aspects including contraception, infertility and diseases of the reproductive system New companion website features full-color illustrations as PowerPoint and jpeg files for both professors and students to use for study and presentations This book combines genetics, reproductive biology and medicine for an integrative view of the emerging specialism of reproductive genetics. Examination of the environmental, technological and ethical aspects of human reproductive biology. In vitro fertilization (IVF) and other assisted reproductive technologies (ART) have become a significant part of human reproduction, with already one in 50 children worldwide being born through ART and the demand steadily increasing. To accommodate the various kinds of infertility problems, new methods have been developed to increase IVF and ART success rates and it has also become possible to treat sperm, eggs, and embryos in culture to improve reproductive success, to increase the health state of

an embryo, and to prevent disease in the developing child. *Human Reproduction: Updates and New Horizons* focuses on recent developments and new approaches to study egg and sperm cells and embryo development, as well as addressing the increasing demand for IVF and ART to overcome infertility problems of various kinds that are encountered by an increasing number of couples worldwide. The book includes 10 chapters written by experts in their specific fields to provide information on sperm selection techniques and their relevance to ART; In vitro maturation of human oocytes: current practices and future promises; Molecular biology of endometriosis; Novel immunological aspects for the treatment of age-induced ovarian and testicular infertility, other functional diseases, and early and advanced cancer immunotherapy; Mitochondrial manipulation for infertility treatment and disease prevention; Novel imaging techniques to assess gametes and preimplantation embryos; Clinical application of methods to select in vitro fertilized embryos; New horizons/developments in time-lapse morphokinetic analysis of mammalian embryos; The non-human primate model for early human development; Cytoskeletal functions, defects, and dysfunctions affecting human fertilization and embryo development. This book will appeal to a large interdisciplinary audience, including researchers from both the basic science and medical communities. It will be a valuable reference for IVF clinicians, patients and prospective patients who are considering ART procedures, embryologists, cell biologists and students in the field of reproduction. Within 40 years many people will stop having sex for reproduction. After IVF and preimplantation genetic diagnosis, parents will pick embryos for implantation, gestation, and birth. It will be easy, safe, lawful, and free, Henry Greely predicts. He explains the new technologies and sets out the deep ethical and legal challenges facing humanity. Providing a comprehensive review of the interactions between exercise and human reproduction, this unique text focuses on both the

positive and negative consequences of sport and physical activity on male and female fertility and infertility and the biological mechanisms and processes behind them. Beginning with a review of the structure and function of the male and female reproductive systems as well as fertilization and gestation, the discussion then turns to the physiology and endocrinology of sport and exercise, which is further elaborated in subsequent chapters on the impact of physical activity, hormonal changes, pathologies, and consequences of drug use for active men and women. Additional chapters address related topics, such as the impact of sport on young athletes and developing reproductive potential, physical activity and pregnancy, the use of oral contraceptives in athletes, oxidative stress, and the impact of nutritional deficiencies on athletes' fertility, with a final chapter providing recommendations and therapeutic guidelines for exercise-related reproductive disorders. Covering everything from the fundamental principles of sports physiology and human reproductive potential to the interaction between physical exercise and the endocrinology of the reproductive system, *Exercise and Human Reproduction* is an authoritative resource for helping clinicians understand how the reproductive system adapts to activity and exercise and offers strategies to avoid potential harm to human reproduction. A primatologist explores the mystery of the origins of human reproduction, explaining that understanding the evolutionary past can provide insight into what worked, what didn't, and what it all means for the future of mankind. *The Right to Know* explores the crucial role of information in enabling women to protect their own health and the health of their families. Chapters on various countries expose the ways governments around the world censor, manipulate, and fail to provide information about abortion, contraception, AIDS, and other threats to reproductive health, and examine the role of religion, culture, and foreign aid programs in restricting information. Placing these practices in the context of international human rights law, the

book identifies government obligations to respect women's right of access to information and lays out how these obligations can be applied in practice to protect women's health and reproductive choice. Concepts of Biology is designed for the single-semester introduction to biology course for non-science majors, which for many students is their only college-level science course. As such, this course represents an important opportunity for students to develop the necessary knowledge, tools, and skills to make informed decisions as they continue with their lives. Rather than being mired down with facts and vocabulary, the typical non-science major student needs information presented in a way that is easy to read and understand. Even more importantly, the content should be meaningful. Students do much better when they understand why biology is relevant to their everyday lives. For these reasons, Concepts of Biology is grounded on an evolutionary basis and includes exciting features that highlight careers in the biological sciences and everyday applications of the concepts at hand. We also strive to show the interconnectedness of topics within this extremely broad discipline. In order to meet the needs of today's instructors and students, we maintain the overall organization and coverage found in most syllabi for this course. A strength of Concepts of Biology is that instructors can customize the book, adapting it to the approach that works best in their classroom. Concepts of Biology also includes an innovative art program that incorporates critical thinking and clicker questions to help students understand--and apply--key concepts. Since the birth of the first successful IVF baby over twenty years ago, the field of assisted reproduction has grown exponentially. Preimplantation genetic diagnosis, gamete and embryo freezing, and embryo cloning are only a few examples of reproductive biotechnologies that have stimulated a worldwide debate. Biotechnology of Human Reproduction presents an up-to-date basis for this debate. The book supplies a complete overview of how new biotechnologies benefit human

reproductive medicine, from the viewpoints of both basic research and clinical application. The book explores the most relevant issues in the field, including reproductive genetics, biology, pharmacology, endocrinology, surgery, and assisted reproduction technology. In each chapter, scientists and clinicians give insight into a particular aspect of human reproduction. The science and technology in this field has expanded beyond all expectations, and will only continue to grow. The wealth of information available and the continuing growth in this field creates a continuing need for up-to-date knowledge. *Biotechnology of Human Reproduction* provides an expert and comprehensive overview of the field as it is understood and practiced today, and in the future. "...a 'must-have' reference text for any researcher interested in the biocultural determinants of human fertility and is appropriate as a textbook at the graduate level. I expect it to remain a standard in the literature of demographic anthropology and reproductive ecology for many years to come." --*American Journal of Physical Anthropology*

This comprehensive overview covering the field of reproductive epidemiology examines the impact of environmental factors related to embryonic and fetal development. Innovative techniques are highlighted, illustrating special problems related to reproductive epidemiology. Specific environmental risks are addressed separately, concluding with a chapter on risk assessment and information problems. Throughout, the text is supported with over 70 illustrations of new findings, never before published. This is an invaluable resource for scientists in the field of reproductive epidemiology. Reproduction is the most vital process in the regeneration of our species and our society. Nevertheless, its influence on the shape of the modern world has been consistently overlooked by social scientists who have emphasized the erosion of the family in industrialized societies. In A. F. Robertson's view families persist. And the goal of reproduction plays an essential role in everything from the organization of political parties to the growth of banks and

factories. Robertson inverts the traditional wisdom that reproduction responds passively to the powerful transformative force of technology. Reproduction, he asserts, requires such extensive cooperation on the state and community level, as well as within the family, that it has had great impact on our social and political organization. Whether discussing Lesotho women and the South African economy or the effects of the family on the development of capitalism, Robertson demonstrates that the ramifications of human reproduction extend far beyond the family. Boldly argued and laced with cross-cultural comparisons, *Beyond the Family* synthesizes the writings of a range of thinkers. It is sure to garner discussion and debate among divergent scholars of many stripes. Our knowledge of reproductive biology has increased enormously in recent years on cellular, molecular, and genetic levels, leading to significant breakthroughs that have directly benefitted in vitro fertilization (IVF) and other assisted reproductive technologies (ART) in humans and animal systems. *Animal Models and Human Reproduction* presents a comprehensive reference that reflects the latest scientific research being done in human reproductive biology utilizing domestic animal models. Chapters on canine, equine, cow, pig, frog, and mouse models of reproduction reflect frontier research in placental biology, ovarian function and fertility, non-coding RNAs in gametogenesis, oocyte and embryo metabolism, fertilization, cryopreservation, signal transduction pathways, chromatin dynamics, epigenetics, reproductive aging, and inflammation. Chapters on non-human primate models also highlight recent advancements into such issues as human in vitro fertilization (IVF) and assisted reproductive technologies (ART). This book offers animal scientists, reproductive biology scientists, clinicians and practitioners, invaluable insights into a wide range of issues at the forefront of human reproductive health. A Scientific Book Club selection, this comprehensive account of the nature and function of the hormones in the processes of sex and

reproduction. Originally published in 1942. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905. This book includes a number of distinct religious and secular views on the anthropological, ethical and social challenges of reproductive technologies in the light of human rights and in the context of global bioethics. It includes contributions of bioethics experts from six major religions—Buddhism, Confucianism, Christianity, Islam, Hinduism and Judaism—as well as secular authors. The chapters include commentaries discussing the content cross-religious/secular tradition to give a comparative perspective. Not only the volume editors but also the contributing authors took part in reviewing each others' chapter making this a unique collected volume, not common in interreligious dialogue today. This text appeals to researchers and students working in the fields of bioethics and religious/secular studies. By capturing the latest developments in this dynamic field - including cloning, gene therapy, and assisted reproduction - Ramón Piñón has made sure that his textbook is the most up-to-date and useful introduction to human reproductive biology available. Although its emphasis is on biology, it combines a rich assortment of comparative historical and literary notes with a contemporary inquiry into human sexuality. This book is a practical guide to the performance of ultrasonography in women of reproductive age for the diagnosis and treatment of infertility. The coverage includes the use of ultrasonography for evaluation of the various disorders associated with infertility, such as endometriosis, anovulatory disorders, tubal disease, and adenomyosis; its role in

assisted reproductive techniques; and its application to assess the viability and early complications of pregnancy. The more recent advances in the field are all addressed, including assessment of ovarian reserve, new classifications of uterine malformations using three-dimensional ultrasonography, and novel ultrasonographic modalities for the evaluation of tubal patency. Within each chapter, the focus is especially on the performance of the ultrasound examination, with highlighting of useful technical tips. The contributors are acknowledged experts from across the world, and the book will be of value for physicians, ultrasonographers, and other medical staff involved in caring for patients with fertility issues. Human Reproductive Biology focuses on the processes, concerns, and trends in human reproduction. Divided into four parts with 19 chapters, the book starts by tracing the history of human reproduction biology and the questions and choices involved. The first part focuses on the male and female reproductive systems. The text notes the different organs involved in reproduction, including the penis, scrotum, vagina, oviducts, and mammary glands. The book discusses sexual development and differentiation, particularly noting the variance of sex ducts and glands, external genitalia, and disorders of sexual development and determination. The text also looks at puberty. Concerns include gonadal changes from birth to puberty; mechanisms that influence puberty; and puberty and psychosocial adjustment. The second part deals with menstrual cycle, fertilization, pregnancy, labor, and birth. Some of the concerns include length of menstrual cycle; absence of menstruation; transport of sperm and ovum in the oviduct; and semen release. The text also highlights labor and birthing processes as well as the relationship of neonates and parents. The third part looks at the medical aspects of human reproduction, infertility, and sexually transmitted diseases. Concerns include contraception, abortion, herpes genitalis, and vaginitis. The text folds with discussions on human sexual behavior,

population growth, and family planning. Concerns include sexual dysfunction; the effects of overpopulation; and population control. The book is a vital source of data for readers interested in human reproduction. The Reproductive System at a Glance is a comprehensive guide to normal reproductive biology and associated pathophysiology in both sexes. Concise, easy to read, and clearly structured, the double-page spreads progress from basic science to clinical abnormalities, and covers endocrine production and action, within one short volume. Chapters on disorders summarise epidemiology, pathophysiology, diagnosis and treatment. This new edition of The Reproductive System at a Glance:

- Is fully revised and updated throughout to reflect recent developments in practice
- Now features histological and pathological slides to complement the “at a glance” style explanatory illustrations
- Now features radiologic studies to supplement the text in selected chapters
- Contains more detailed coverage of maternal adaptations to pregnancy

Includes a companion website at www.ataglanceseries.com/reproduction featuring self-assessment multiple choice questions, bonus single answer questions and flashcards

The Reproductive System at a Glance is an ideal guide for students studying both endocrine and reproductive subjects, and teaches the foundation concepts for the obstetrics and gynaecology rotation, helping health professionals and students achieve a broad and practical understanding of the topic. Who owns frozen human embryos? Are "surrogate motherhood" arrangements dangerous for women? Should access to in vitro fertilization be limited or increased? With the development of complex reproductive technologies and the ensuing controversies in reproductive ethics, there is an urgent need for more careful examination of moral principles, current practices, and social policies pertaining to reproduction. The issues examined in this collection of nine papers focusing of the Canadian experience include abortion, the cryopreservation of embryos, the selective termination of

fetuses within multiple pregnancies, social policy for gestational "surrogacy," and the regulation of in vitro fertilization. Adopting a feminist perspective, the book places reproductive autonomy at the center of debates about the control of reproduction. Recent advances in genomic and omics analysis have triggered a revolution affecting nearly every field of medicine, including reproductive medicine, obstetrics, gynecology, andrology, and infertility treatment. *Reproductomics: The -Omics Revolution and Its Impact on Human Reproductive Medicine* demonstrates how various omics technologies are already aiding fertility specialists and clinicians in characterizing patients, counseling couples towards pregnancy success, informing embryo selection, and supporting many other positive outcomes. A diverse range of chapters from international experts examine the complex relationship between genomics, transcriptomics, proteomics, and metabolomics and their role in human reproduction, identifying molecular factors of clinical significance. With this book Editors Jaime Gosálvez and José A. Horcajadas have provided researchers and clinicians with a strong foundation for a new era of personalized reproductive medicine. Thoroughly discusses how genomics and other omics approaches aid clinicians in various areas of reproductive medicine Identifies specific genomic and molecular factors of translational value in treating infertility and analyzing patient data Features chapter contributions by leading international experts Understanding immunology is increasingly important in obstetrics and gynecology. Written primarily to meet the needs of practicing obstetricians and gynecologists, this book explores the role of immunological processes in reproduction. It presents immunologic concepts and illustrates important points with examples familiar to the clinician. The book Awarded the W. W. Howells Award for the Outstanding Book in Biological Anthropology, this volume presents a comprehensive, integrated, and up-to-date overview of the major physiological and behavioral factors affecting

human reproduction. In attempting to identify the most important causes of variation in fertility within and among human populations, Wood summarizes data from a wide range of societies. Trained as an anthropologist as well as a demographer, he devotes special attention to so-called "natural fertility" populations, in which modern contraceptives and induced abortion are not used to limit reproductive output. Such an emphasis enables him to study the interaction of biology and behavior with particular clarity. The volume weaves together the physiological, demographic, and biometric approaches to human fertility in a way that will encourage future interdisciplinary research. Instead of offering a general overview, the focus is to answer one question: Why does fertility and the number of live births vary from couple to couple within any particular population, and from population to population across the human species as a whole? Topics covered include ovarian function, conception and pregnancy, intrauterine mortality, reproductive maturation and senescence, coital frequency and the waiting time to conception, marriage patterns and the initiation of reproduction, the fertility-reducing effects of breastfeeding, the impact of maternal nutrition on reproduction, and reproductive seasonality. This unique combination of comprehensive subject matter and an integrated analytical approach makes the book ideally suited both as a graduate-level textbook and as a reference work.