

Human Physiology 13th Edition Fox

A unique compilation of papers on the emergent topic of temporal dynamics in community ecology, ecosystem biology and evolution.

The fundamental concept of *The Biology and Identification of the Coccidia (Apicomplexa) of Carnivores of the World* is to provide an up-to-date reference guide to the identification, taxonomy, and known biology of apicomplexan intestinal and tissue parasites of carnivores including, but not limited to, geographic distribution, prevalence, sporulation, prepatent and patent periods, site(s) of infection in the definitive and (if known) intermediate hosts, endogenous development, cross-transmission, pathology, phylogeny, and (if known) their treatments. These data will allow easy parasite recognition with a summation of virtually everything now known about the biology of each parasite species covered. The last (very modest) and only treatise published on this subject was in 1981 so this book fills a fundamental gap in our knowledge of what is now known, and what is not, about the coccidian parasites that infect and sometimes kill carnivores and/or their prey that can harbor intermediate stages, including many domestic and game animals. Offers line drawings and photomicrographs of many parasite species that will allow easy diagnosis and identification by both laypersons and professionals (veterinarians, wildlife

biologists, etc.) Presents a complete historical rendition of all known publications on carnivore coccidia for all carnivore families and evaluates the scientific and scholarly merit of each apicomplexan species relative to the current body of knowledge Provides a complete species analysis and their known biology of all coccidia described from each carnivore lineage and species Reviews the most current taxonomy of carnivores and their phylogenetic relationships to help assess host-specificity patterns that may be apparent Evaluates what little cross-transmission work is available to help understand the complexities of those coccidians that use two hosts (e.g., Sarcocystis, Besnoitia, and others) Provides known treatments for the various parasite genera/species

Biology and Diseases of the Ferret, Third Edition has been thoroughly revised and updated to provide a current, comprehensive reference on the ferret. Encyclopedic in scope, it is the only book to focus on the characteristics that make the ferret an important research animal, with detailed information on conditions, procedures, and treatments. Offering basic information on biology, husbandry, clinical medicine, and surgery, as well as unique information on the use of ferrets in biomedical research, Biology and Diseases of the Ferret is an essential resource for investigators using ferrets in the laboratory and for companion animal and comparative medicine veterinarians. The Third Edition adds ten completely new chapters, covering regulatory considerations, black-

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footed ferret recovery, diseases of the cardiovascular system, viral respiratory disease research, morbillivirus research, genetic engineering, hearing and auditory function, vision and neuroplasticity research, nausea and vomiting research, and lung carcinogenesis research. Additionally, the anesthesia, surgery, and biotechnology chapter has been subdivided into three and thoroughly expanded. The book also highlights the ferret genome project, along with the emerging technology of genetically engineered ferrets, which is of particular importance to the future of the ferret as an animal model in research and will allow the investigation of diseases and their genetic basis in a small, easily maintained, non-rodent species.

This edition has been extensively updated with new genetics information, including such areas as the Human Genome Project, transcription factors and gene cloning. An increased number of summary tables help students review key concepts.

Pain Management in Small Animal Medicine

Ecological Statistics

The World Book Encyclopedia

The Common Marmoset in Captivity and Biomedical Research

Anatomy & Physiology

We start life with a breath, and the process continues

automatically for the rest of our lives. Because breathing continues on its own, without our awareness, it does not necessarily mean that it is always functioning for optimum mental and physical health. The opposite is true often. The problem with breathing is that it seems so easy and natural that we rarely give it a second thought. We breathe: we inhale, we exhale. What could be simpler? But behind that simple act lies a process that affects us profoundly. It affects the way we think and feel, the quality of what we create, and how we function in our daily life. Breathing affects our psychological and physiological states, while our psychological states affect the pattern of our breathing. For example, when anxious, we tend to hold our breath and speak at the end of inspiration in a high-pitched voice. Depressed people tend to sigh and speak at the end of expiration in a low-toned voice. A child having a temper tantrum holds his or her breath until blue in the face. Hyperventilation causes not only anxiety but also such a variety of symptoms that patients can go from one

specialty department to another until a wise clinician spots the abnormal breathing pattern and the patient is successfully trained to shift from maladaptive to normal breathing behavior.

An encyclopedia designed especially to meet the needs of elementary, junior high, and senior high school students. Adrian Tchaikovsky's award-winning novel *Children of Time*, is the epic story of humanity's battle for survival on a terraformed planet. Who will inherit this new Earth? The last remnants of the human race left a dying Earth, desperate to find a new home among the stars. Following in the footsteps of their ancestors, they discover the greatest treasure of the past age - a world terraformed and prepared for human life. But all is not right in this new Eden. In the long years since the planet was abandoned, the work of its architects has borne disastrous fruit. The planet is not waiting for them, pristine and unoccupied. New masters have turned it from a refuge into mankind's worst nightmare. Now two civilizations are on a collision

course, both testing the boundaries of what they will do to survive. As the fate of humanity hangs in the balance, who are the true heirs of this new Earth?

The application and interpretation of statistics are central to ecological study and practice. Ecologists are now asking more sophisticated questions than in the past. These new questions, together with the continued growth of computing power and the availability of new software, have created a new generation of statistical techniques. These have resulted in major recent developments in both our understanding and practice of ecological statistics. This novel book synthesizes a number of these changes, addressing key approaches and issues that tend to be overlooked in other books such as missing/censored data, correlation structure of data, heterogeneous data, and complex causal relationships. These issues characterize a large proportion of ecological data, but most ecologists' training in traditional statistics simply does not provide them with adequate preparation to handle the associated

challenges. Uniquely, *Ecological Statistics* highlights the underlying links among many statistical approaches that attempt to tackle these issues. In particular, it gives readers an introduction to approaches to inference, likelihoods, generalized linear (mixed) models, spatially or phylogenetically-structured data, and data synthesis, with a strong emphasis on conceptual understanding and subsequent application to data analysis. Written by a team of practicing ecologists, mathematical explanations have been kept to the minimum necessary. This user-friendly textbook will be suitable for graduate students, researchers, and practitioners in the fields of ecology, evolution, environmental studies, and computational biology who are interested in updating their statistical tool kits. A companion web site provides example data sets and commented code in the R language.

Temporal Dynamics and Ecological Process

The Mechanisms of Body Function

Loose Leaf Version of Human Physiology

The Handbook of Homicide Elementary Statistics in Social Research

The Laboratory Guide to Human Physiology, 13th Edition, is a stand-alone human physiology manual that can be used in conjunction with any human physiology textbook. It includes a wide variety of exercises that support most areas covered in a human physiology course, allowing instructors the flexibility to choose those exercises best suited to meet their particular instructional goals. Background information that is needed to understand the principles and significance of each exercise is presented in a concise manner, so that little or no support is needed from the lecture text.

The Common Marmoset in Captivity and Biomedical Research is the first text dedicated exclusively to this species, filling an urgent need for an encyclopedic compilation of the existing information. Sponsored by the American College of Laboratory Animal Medicine as part of its authoritative Blue Book series, the book covers the biology, management, diseases, and clinical and research applications of this important species. The common marmoset (*Callithrix jacchus*) has come of age in the scientific community as a behaviorally complex, cognitively advanced, small, prolific, and easily maintained nonhuman primate with many of the advantages of larger animals, such as macaques, but without

the attendant physical and zoonotic risks. Marmosets are currently being used in diverse areas of inquiry, including vision and auditory research, infectious disease, cognitive neuroscience, behavior, reproductive biology, toxicology and drug development, and aging. The marmoset genome has been sequenced and there is currently an intensive effort to apply gene editing technologies to the species. The creation of transgenic marmosets will provide researchers with a small nonhuman primate model to study a number of poorly understood disorders, like autism. Presents a complete view of the marmoset, covering their biology and management, diseases and clinical applications, and research applications Includes contributions from renowned and international authors and editors Provides the first authoritative and comprehensive treatment of marmosets in biomedical research as part of the ACLAM Series

The Handbook of Homicide presents a series of original essays by renowned authors from around the world, reflecting the latest scholarship on the nature, causes, and patterns of homicide, as well as policies and practices for its investigation and prevention. Includes comprehensive coverage of the complex phenomenon of homicide and its various forms Features original contributions from an esteemed team of global experts and scholars with chapters highlighting the authors' original research Represents the first

internationally-focused collection of the latest research on the nature and causes of homicide Covers both the causes and dynamics of homicide, as well as policies and practices intended to address it

Blindsight is the Hugo Award–nominated novel by Peter Watts, "a hard science fiction writer through and through and one of the very best alive" (The Globe and Mail). Two months have past since a myriad of alien objects clenched about the Earth, screaming as they burned. The heavens have been silent since—until a derelict space probe hears whispers from a distant comet. Something talks out there: but not to us. Who should we send to meet the alien, when the alien doesn't want to meet? Send a linguist with multiple-personality disorder and a biologist so spliced with machinery that he can't feel his own flesh. Send a pacifist warrior and a vampire recalled from the grave by the voodoo of paleogenetics. Send a man with half his mind gone since childhood. Send them to the edge of the solar system, praying you can trust such freaks and monsters with the fate of a world. You fear they may be more alien than the thing they've been sent to find—but you'd give anything for that to be true, if you knew what was waiting for them. . . . At the Publisher's request, this title is being sold without Digital Rights Management Software (DRM) applied.

Perspectives on Human Biology
Concepts and Clinical Applications
Contemporary Theory and Application
An Integrated Approach
Being a Beast

Normative Biology, Husbandry, and Models, the third volume in the four volume set, *The Mouse in Biomedical Research*, encompasses 23 chapters whose contents provide a broad overview on the laboratory mouse's normative biology, husbandry, and its use as a model in biomedical research. This consists of chapters on behavior, physiology, reproductive physiology, anatomy, endocrinology, hematology, and clinical chemistry. Other chapters cover management, as well as nutrition, gnotobiotics and disease surveillance. There are also individual chapters describing the mouse as a model for the study of aging, eye research, neurodegenerative diseases, convulsive disorders, diabetes, and cardiovascular and skin diseases. Chapters on imaging techniques and the use of the mouse in assays of biological products are also included.

#1 selling text with great explanations and just enough anatomy! Clear explanations and a solid learning framework have been market tested and refined. Fox helps students master the fundamentals by providing appropriate anatomical detail. *Human Physiology, Fourteenth Edition*, is intended for the one-semester Human Physiology course often taken by allied health and biology students. The beginning chapters

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introduce basic chemical and biological concepts to provide students with the framework they need to comprehend physiological principles. The chapters that follow promote conceptual understanding rather than rote memorization of facts. Health applications are included throughout the book to heighten interest, deepen understanding of physiological concepts, and help students relate the material to their individual career goals. Every effort has been made to help students integrate related concepts and understand the relationships between anatomical structures and their functions. Users who purchase Connect Plus receive access to the full online ebook version of the textbook.

For courses in Human Physiology. Move beyond memorization: Prepare students for tomorrow's challenges Human Physiology: An Integrated Approach is the #1 best-selling 1-semester human physiology text world-wide. The 8th Edition engages students in developing a deeper understanding of human physiology by guiding them to think critically and equipping them to solve real-world problems. Updates, such as new Try It activities and detailed teaching suggestions in the new Ready-to-Go Teaching Modules, help students learn and apply mapping skills, graphing skills, and data interpretation skills. The text reflects Dr. Silverthorn's active learning style of instruction and builds upon the thorough integration of "big picture" themes with up-to-date cellular and molecular physiology topics that have always been the foundation of her approach. Pearson Mastering A&P is not included. Students, if Mastering A&P is a

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recommended/mandatory component of the course, please ask your instructor for the correct ISBN. Pearson Mastering A&P should only be purchased when required by an instructor. Instructors, contact your Pearson representative for more information. Reach every student by pairing this text with Pearson Mastering A&P Mastering™ is the teaching and learning platform that empowers you to reach every student. By combining trusted author content with digital tools and a flexible platform, Mastering personalizes the learning experience and improves results for each student. The exercises in this manual have been carefully refined and updated to keep pace with changes in laboratory technology, computer-assisted instruction, biohazard health concerns, and vendor supply sources. The manual is self-contained, so that students can prepare for the laboratory exercises and quizzes without having to refer to the textbook.

Combo: Human Physiology with 13th Edition Lab Manual

Normative Biology, Husbandry, and Models

Fundamentals of Human Physiology

Stuff You Should Know

Anatomy and Physiology Made Easy: A Concise Learning Guide to Master the Fundamentals

From the duo behind the massively successful and award-winning podcast Stuff You Should Know comes an unexpected look at things you thought you knew. Josh Clark and Chuck

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Bryant started the podcast Stuff You Should Know back in 2008 because they were curious—curious about the world around them, curious about what they might have missed in their formal educations, and curious to dig deeper on stuff they thought they understood. As it turns out, they aren't the only curious ones. They've since amassed a rabid fan base, making Stuff You Should Know one of the most popular podcasts in the world. Armed with their inquisitive natures and a passion for sharing, they uncover the weird, fascinating, delightful, or unexpected elements of a wide variety of topics. The pair have now taken their near-boundless "whys" and "hows" from your earbuds to the pages of a book for the first time—featuring a completely new array of subjects that they've long wondered about and wanted to explore. Each chapter is further embellished with snappy visual material to allow for rabbit-hole tangents and digressions—including charts, illustrations, sidebars, and footnotes. Follow along as the two dig into the underlying stories of everything from the origin of Murphy beds, to the history of facial hair, to the psychology of being lost. Have you ever wondered about the world around you, and wished to see the magic in everyday things? Come get curious with Stuff You Should Know. With Josh and Chuck as your guide, there's something interesting about everything (...except maybe jackhammers).

This test broke ground with its thorough coverage of molecular physiology seamlessly integrated into a traditional homeostasis-based systems approach. This edition introduces a major reorganisation of the early chapters to provide the best foundation for the course and new art features that streamline review and essential topics so that students can access them more easily on an as-needed basis.

#1 selling text with great explanations and just enough anatomy! Clear explanations and a

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solid learning framework have been market tested and refined. Fox helps students master the fundamentals by providing appropriate anatomical detail. Human Physiology, Thirteenth Edition, is intended for the one-semester Human Physiology course often taken by allied health and biology students. The beginning chapters introduce basic chemical and biological concepts to provide students with the framework they need to comprehend physiological principles. The chapters that follow promote conceptual understanding rather than rote memorization of facts. Health applications are included throughout the book to heighten interest, deepen understanding of physiological concepts, and help students relate the material to their individual career goals. Every effort has been made to help students integrate related concepts and understand the relationships between anatomical structures and their functions. Users who purchase Connect Plus receive access to the full online ebook version of the textbook.

A Laboratory Guide to Human Physiology, 13th Edition, is a stand-alone human physiology manual that can be used in conjunction with any human physiology textbook. It includes a wide variety of exercises that support most areas covered in a human physiology course, allowing instructors the flexibility to choose those exercises best suited to meet their particular instructional goals. Background information that is needed to understand the principles and significance of each exercise is presented in a concise manner, so that little or no support is needed from the lecture text.

The Mouse in Biomedical Research

Human Physiology, 2e

Wolves, Wild Dogs, Foxes, Jackals, Coyotes, and Their Relatives

Human Physiology: An Integrated Approach, Global Edition

ISE Human Physiology

The most complete and user-friendly photographic field guide to the world's canids This stunningly illustrated and easy-to-use field guide covers every species of the world's canids, from the Gray Wolf of North America to the dholes of Asia, from African jackals to the South American Bush Dog. It features more than 150 superb color plates depicting every kind of canid and detailed facing-page species accounts that describe key identification features, morphology, distribution, subspeciation, habitat, and conservation status in the wild. The book also includes distribution maps and tips on where to observe each species, making Canids of the World the most comprehensive and user-friendly guide to these intriguing and spectacular mammals. Covers every species and subspecies of canid Features more than 150 color plates with more than 600 photos from around the globe Depicts species in similar poses for quick and easy comparisons Describes key identification features, habitat, behavior, reproduction, and much more Draws on the latest taxonomic research Includes distribution maps and tips on where to observe each species The ideal field companion and a delight for armchair naturalists

Pain Management in Small Animal Medicine describes and clearly illustrates the difficulties and choices facing veterinarians in identifying and treating pain, in addition to providing an account of the neurobiological mechanisms responsible for the pain. Expanded from the author's previous work, Chronic Pain in Small Animal Medicine, this volume uses the original text to illustrate the core theme of "mechanism base" and expands the text considerably with the inclusion of areas beyond chronic pain. Topics include: Pain

assessment in small animal medicine The functional physiology of pain The use of pharmacologics and nonsteroidal anti-inflammatory drugs Nutraceutical mechanisms and therapy Management of pain related to canine osteoarthritis, musculoskeletal disease, and cancer Pain management features unique to cats Emphasizing the latest evidence and contemporary understanding of "why" and "how" to treat pain, the book will enable veterinary healthcare professionals as well as those in training, education, and research to develop a greater depth of knowledge in mechanisms of pain and potential targets for treatment— thereby raising the standard of care for pain management.

To test the limits of our ability to inhabit lives that are not our own, Charles Foster set out to know the ultimate other: the nonhumans. To do that, he chose five animals and lived alongside them, sleeping as they slept, eating what they ate, learning to sense the landscape through the senses they used. In this lyrical, intimate, and completely radical look at the lives of animals, Charles Foster mingles neuroscience and psychology, nature writing and memoir, and ultimately presents an inquiry into the human experience in our world, carried out by exploring the full range of the life around us.

"Stuart Fox, Ph.D., wrote the first edition (published 1983) to help students understand the concepts of human physiology, and this objective has remained the guiding principle through all of the subsequent editions. All editions have been lauded for their readability, the currency of the information, and the clarity of the presentation. The fifteenth edition continues this tradition by presenting human physiology in the most current, readable, and student-oriented way possible. This milestone edition is marked by a unique cover, the addition of a Digital Author, a new art program, and the updating of terminology and

content. It takes a village! To create this landmark fifteenth edition, Stuart had the support of Krista Rompolski as the Digital Author and a superb team at McGraw-Hill Education and MPS Limited. This team includes Michael Ivanov, Fran Simon, Andrea Eboh, Kelly Hart, Jessica Portz, Christina Nelson, Joan Weber, Angela FitzPatrick, Amy Reed, Jim Connely, Kristine Rellihan, Matt Backhaus, and Lori Hancock. We are all incredibly grateful to the many reviewers who provided their time and expertise to critically examine individual chapters and be Board of Advisor partners. These"--

Book One of the Lunar Chronicles

Network Propaganda

Manipulation, Disinformation, and Radicalization in American Politics

Ross & Wilson Anatomy and Physiology in Health and Illness E-Book

Adventures Across the Species Divide

Fundamentals of Human Physiology was conceived to meet the needs of students and professors struggling with the complexity and depth of the larger, more detailed human physiology textbooks currently available. In addition to being more concise and focusing on the basics of human physiology, this text is smaller in physical size, allowing for a cheaper, easier choice for instructors.

As plague ravages the overcrowded Earth, observed by a ruthless lunar people, Cinder, a gifted mechanic and cyborg, becomes

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involved with handsome Prince Kai and must uncover secrets about her past in order to protect the world in this futuristic take on the Cinderella story.

Rory Fox challenges the traditional understanding that Thomas Aquinas believed that God exists outside of time. His study investigates the work of several mid-thirteenth century writers providing a wealth of material on medieval concepts of time and eternity.

Master the Fundamentals of Anatomy & Physiology with This Concise Learning Guide This book adopts a layered approach to learning anatomy and physiology. It begins with an introduction to anatomical terms of location and orientation, before looking at the basic structural and functional unit of the life: the cell. In the fourth section, the structural organization of the human body and essential medical terminology are covered. This will equip you with the fundamental knowledge you need to embark upon your voyage around the human body. What follows is a thematic presentation of the essential body systems of the human body and their structural and functional significance. Covered in the Anatomy and Physiology Made Easy guide are the following

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areas: - Anatomic Terms of the Human Body - Cells, DNA and Tissues - Structural Organization and Essential Medical Terminology - Musculoskeletal System - Neurosensory System and the Sense Organs - Integumentary System - Endocrine System - Cardiovascular System - Hematologic System - Lymphatic System and Immunity - Respiratory System - Gastrointestinal System - Urinary System - Reproductive System - Fluids, Electrolytes, and Acid-Base Balance - Nutrition and Metabolism Kickstart Your Anatomy & Physiology Mastery Now!

An Incomplete Compendium of Mostly Interesting Things
Cinder

Time and Eternity in Mid-Thirteenth-Century Thought

Laboratory Guide to accompany Human Physiology

Behavioral and Psychological Approaches to Breathing Disorders

This is an open access title available under the terms of a CC BY-NC-ND 4.0 International licence. It is free to read at Oxford Scholarship Online and offered as a free PDF download from OUP and selected open access locations. Is social media destroying democracy? Are Russian propaganda or "Fake news" entrepreneurs on Facebook undermining our sense of a shared reality? A conventional wisdom has emerged since the election of Donald Trump in 2016 that new technologies and their manipulation by foreign

actors played a decisive role in his victory and are responsible for the sense of a "post-truth" moment in which disinformation and propaganda thrives. Network Propaganda challenges that received wisdom through the most comprehensive study yet published on media coverage of American presidential politics from the start of the election cycle in April 2015 to the one year anniversary of the Trump presidency. Analysing millions of news stories together with Twitter and Facebook shares, broadcast television and YouTube, the book provides a comprehensive overview of the architecture of contemporary American political communications. Through data analysis and detailed qualitative case studies of coverage of immigration, Clinton scandals, and the Trump Russia investigation, the book finds that the right-wing media ecosystem operates fundamentally differently than the rest of the media environment. The authors argue that longstanding institutional, political, and cultural patterns in American politics interacted with technological change since the 1970s to create a propaganda feedback loop in American conservative media. This dynamic has marginalized centre-right media and politicians, radicalized the right wing ecosystem, and rendered it susceptible to propaganda efforts, foreign and domestic. For readers outside the United States, the book offers a new perspective and methods for diagnosing the sources of, and potential solutions for, the perceived global crisis of democratic politics.

A Laboratory Guide to Human Physiology, Twelfth Edition, is a stand-alone human physiology manual that can be used in conjunction with any human physiology textbook.

It includes a wide variety of exercises that support most areas covered in a human physiology course, allowing instructors the flexibility to choose those exercises best suited to meet their particular instructional goals. Background information that is needed to understand the principles and significance of each exercise is presented in a concise manner, so that little or no support is needed from the lecture text.

The new edition of the hugely successful Ross and Wilson Anatomy & Physiology in Health and Illness continues to bring its readers the core essentials of human biology presented in a clear and straightforward manner. Fully updated throughout, the book now comes with enhanced learning features including helpful revision questions and an all new art programme to help make learning even easier. The 13th edition retains its popular website, which contains a wide range of ‘critical thinking’ exercises as well as new animations, an audio-glossary, the unique Body Spectrum© online colouring and self-test program, and helpful weblinks. Ross and Wilson Anatomy & Physiology in Health and Illness will be of particular help to readers new to the subject area, those returning to study after a period of absence, and for anyone whose first language isn’t English. Latest edition of the world’s most popular textbook on basic human anatomy and physiology with over 1.5 million copies sold worldwide Clear, no nonsense writing style helps make learning easy Accompanying website contains animations, audio-glossary, case studies and other self-assessment material, the unique Body Spectrum© online colouring and self-test software, and helpful weblinks Includes basic pathology and pathophysiology of important

diseases and disorders Contains helpful learning features such as Learning Outcomes boxes, colour coding and design icons together with a stunning illustration and photography collection Contains clear explanations of common prefixes, suffixes and roots, with helpful examples from the text, plus a glossary and an appendix of normal biological values. Particularly valuable for students who are completely new to the subject, or returning to study after a period of absence, and for anyone whose first language is not English All new illustration programme brings the book right up-to-date for today's student Helpful 'Spot Check' questions at the end of each topic to monitor progress Fully updated throughout with the latest information on common and/or life threatening diseases and disorders Review and Revise end-of-chapter exercises assist with reader understanding and recall Over 150 animations – many of them newly created – help clarify underlying scientific and physiological principles and make learning fun

Human Physiology McGraw-Hill Education

A Laboratory Guide to Human Physiology

Canids of the World

Biology and Diseases of the Ferret

Human Physiology