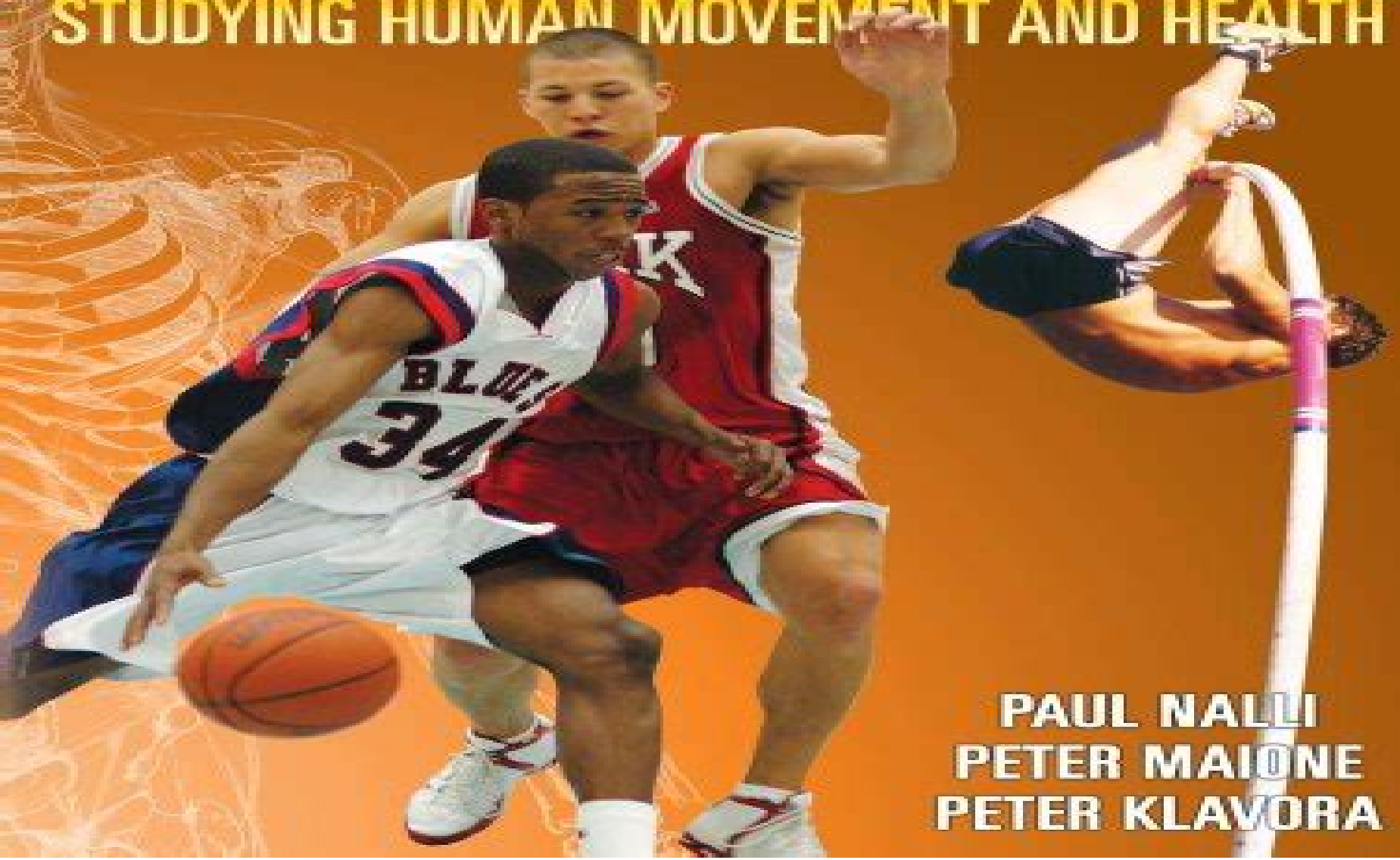


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Kinesiology Student Workbook Second Edition Answers

V. Gregory Payne, Larry D. Isaacs



Kinesiology Student Workbook Second Edition Answers:

Statistics in Kinesiology Joseph P. Weir, William J. Vincent, 2021 *Statistics in Kinesiology Fifth Edition With Web Resource* offers students in kinesiology and exercise science programs a unique introduction to the statistics concepts and techniques relevant to their specific field of study Drawing from examples across kinesiology including exercise physiology biomechanics physical education and physical therapy this essential text provides students with a statistical skill set that will enable them to analyze quantitative data and find answers to questions they will encounter in their specific disciplines As in previous editions emphasis is placed on methods commonly seen in kinesiology such as correlation and bivariate regression t tests analysis of variance ANOVA and the interpretation of interactions in factorial analyses of variance The fifth edition also incorporates fully updated content reflecting the changing face of kinesiology Comparisons of observational versus experimental research and nonparametric versus parametric methods of analyzing categorical and ordinal data More detailed coverage on how to calculate central tendency when data have been transformed e g log transformations as well as multiple ways to interpret the correlation coefficient Expanded coverage of statistical graphs including dot plots and spaghetti plots A discussion of the real meaning of p values and confidence intervals An introduction to frequentist approaches versus Bayesian methods In addition a new web resource offers abridged presentations of complex statistical concepts and an interactive platform to practice problem solving Mini lectures consisting of narrated slideshows provide further explanations and may be quickly accessed through QR codes placed at the end of each chapter Sample problems then provide an opportunity for students to put the concepts into practice Statistical software tools commonly used in kinesiology applications such as JASP and G Power are briefly introduced encouraging students to apply their knowledge of statistical procedures to generate and interpret computer results with confidence and ease With *Statistics in Kinesiology Fifth Edition* students will gain a solid understanding of the statistical techniques used in physical activity fields The book's practical approach based on the authors more than 50 years of combined experience in teaching statistics will make it easy for students to learn these important but often intimidating concepts

Physical Activity and Health Claude

Bouchard, Steven N. Blair, William L. Haskell, 2012-02-29 The human body is designed for activity For most of our history physical activity was required for survival but technological advances have eliminated much of the need for hard physical labor As our activity levels have dropped it has become clear that a physically inactive lifestyle can lead to a host of health problems *Physical Activity and Health Second Edition* provides a comprehensive treatment of the research on the benefits of a physically active lifestyle in comparison with the harmful consequences of physical inactivity Written by leading scientists from the United States Canada Europe and Australia *Physical Activity and Health Second Edition* brings together the results of the most important studies on the relationship between physical activity sedentarism and various health outcomes The second edition has been fully updated based on the latest advances in this rapidly changing field and expanded to include the

following new content A chapter on the physiology of inactivity and the effects of sedentary behavior even in people who engage in appropriate amounts of physical activity which is an area of growing interest More extensive coverage of physical activity aging and the brain including a new chapter on the relationship between physical activity and brain structures and functions A chapter on the development of national and international physical activity and health guidelines which will help readers better understand how scientific findings are converted into practical recommendations Physical Activity and Health Second Edition offers a detailed yet concise presentation of key concepts as well as a framework to help readers relate results from single studies or collections of studies to the overall paradigm linking physical activity and physical fitness to health For each of the topics covered the text provides an overview of the most important research findings discusses the limitations of the current knowledge base and identifies directions for future investigation At the core of the text is a review of our current understanding of how physical activity affects health concerns such as cardiovascular disease diabetes cancer and obesity as well as aging and mental health The text identifies sedentary living habits and poor fitness as major public health problems and examines the potential of physical activity to prevent disease and enhance quality of life This complete resource also looks at the evolution of the field of physical activity and health variations in physical activity levels across age sex and ethnic groups the body's physiological responses to physical activity dose response issues and the influence of genetics on physical activity fitness and health The book ends with an integration of the issues covered and discusses new opportunities for research The second edition of Physical Activity and Health continues to offer clear user friendly coverage of the most important concepts and research in the field Numerous special features will aid readers in their comprehension of the material Chapter outlines and callout boxes help readers key in on important topics and focus their reading and chapter summaries definitions of key terms and study questions provide tools for review and self testing Commonly used acronyms and abbreviations are found on the interior covers for handy reference Where other books have simply promoted physical activity for the individual or a population Physical Activity and Health Second Edition completely integrates current knowledge of the relationship between physical activity and health With contributions from some of the finest scientists in the field this comprehensive text offers information unmatched in accuracy and reliability **All in 1 Guide Book: CBSE**

Class 10 for 2022 Examination Gurukul, 2021-06-21 Benefit from Effective Practice Easy Revision for Class 10 CBSE Board Examinations 2022 with our All in 1 Guide Book Consisting of 6 subjects including English Language Literature Hindi A Hindi B Mathematics Science and Social Science Our handbook will help you study well and prepare at home with all the answers strictly based on marking scheme issued by Board Why should you trust Gurukul Books Oswal Publishers Oswal Publishers has been in operation since 1985 Over the past 30 years we have developed content that aids students and teachers in achieving excellence in education We create content that is extensively researched meticulously articulated and comprehensively edited catering to the various National and Regional Academic Boards in India How can you benefit from

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The Muscular System Manual - E-Book Joseph E. Muscolino,2023-04-21 An approachable yet detailed atlas of the muscles of the human body The Muscular System Manual The Skeletal Muscles of the Human Body 5th Edition provides you with a thorough understanding of skeletal muscles in a compartmentalized customizable layout The most comprehensive atlas of muscle actions available this is the only text that lists and describes all open chain standard mover actions and all closed chain reverse mover actions as well as eccentric contraction and isometric stabilization functions All actions are fully referenced in one convenient table Complex muscle anatomy relationships are easy to understand with robust resources on the Evolve companion website including a unique Electronic Muscle and Bone Review Program to help you prepare for practice UNIQUE Electronic muscle and bone review program features a base photograph with a skeleton drawn in and a list of every muscle for each major region of the body so that you can choose any combination of muscles and place them onto the illustration allowing you to see not only the muscle attachments but also the relationship among the muscles of the region Overlay art consisting of more than 380 full color anatomical illustrations of muscles bones and ligaments drawn over photographs helps identify the positions of muscles and bones in the human body Content is organized by body region and includes information on how muscles in that region function together with large drawings of the muscles of that region so that you can go directly to the topic you are studying Complete muscle coverage in an easy to understand layout makes this text appropriate for novices to anatomy as well as intermediate and advanced users Coverage of the methodology for each muscle provides information for learning muscle actions to explain the reasoning behind each action and encourage you to learn and not just memorize Robust online resources on the companion Evolve website feature more than 100 video clips and an interactive muscle program among other resources NEW Instructional videos on Evolve simulate the classroom experience and reinforce book content

Fundamentals of Biomechanics Duane Knudson,2007-05-28 Fundamentals of Biomechanics 2nd edition presents a clear conceptual approach to understanding biomechanics within the context of the qualitative analysis of human movement The philosophy is to blend up to date biomechanical knowledge with extensive referencing for student study with professional

application knowledge This true application of biomechanics in real world settings is missing in previous biomechanics texts The text provides real world examples of the application of biomechanics several ways Like other texts human movement examples and problems are discussed to help teach biomechanical variables and concepts This text however goes beyond this physics class with sport example approach First nine principles of biomechanics are developed throughout the book to link theoretical knowledge with practical professional principles and application These nine generic application principles are based on the laws and concepts of biomechanics so they can be applied to all human movements There principles help PETE majors address standard 2 on applying movement concepts and principles in physical education NASPE 1995 Most biomechanics texts that have tried to develop principles for application have created many specific observations about many categories of human movement so students tend to get lost Second the last section of the book develops the application of biomechanics in qualitative analysis of several movements in four professional areas physical education coaching strength conditioning and sports medicine These guided tours of the application of biomechanics to solve human movement problems are similar to the extensive interdisciplinary qualitative analysis tutorials in Knudson Morrison 2002

Anatomy & Physiology Laboratory Manual and E-Labs E-Book Kevin T. Patton, Frank B. Bell, 2022-04-15 Gain the hands on practice needed to understand anatomical structure and function Anatomy Physiology Laboratory Manual and eLabs 11th Edition provides a clear step by step guide to dissection anatomy identification and laboratory procedures The illustrated print manual contains 55 A P exercises to be completed in the lab with guidance including instructions safety tips and tear out worksheets Online eight eLab modules enhance your skills with simulated lab experiences in an interactive 3 D environment From noted educators Kevin Patton and Frank Bell this laboratory manual provides you with a better understanding of the human body and how it works Labeling exercises and coloring exercises make it easier to identify and remember critical structures examined in the lab and in lectures Step by step check box dissection instructions with accompanying illustrations and photos cover anatomical models and fresh or preserved specimens and provide helpful guidance during dissection labs Tear out Lab Reports contain checklists drawing exercises and questions that help demonstrate your understanding of the labs you have participated in and also allow instructors to check your progress 250 illustrations include photos of cat pig and mink dissections photos of various bones microscopic and common histology slides and depictions of proper procedures Complete lists of materials for each exercise provide handy checklists for planning and setting up laboratory activities allowing for easy and efficient preparation Modern anatomical imaging techniques such as computed tomography CT magnetic resonance imaging MRI and ultrasonography are introduced to demonstrate how new technologies are changing and shaping health care Review questions throughout the manual provide tools to reinforce and apply your knowledge of anatomy and function concepts Eight eLabs improve the laboratory experience in an interactive digital environment Convenient spiral binding allows for hands free viewing in the lab setting Hint boxes provide special tips on handling

specimens using equipment and managing lab activities Learning objectives at the beginning of each exercise offer a clear framework for learning NEW More photos of various types of bones help you learn skeletal anatomy NEW More microscope slide images including zooming in at high power magnification help you learn microscopic anatomy NEW Updated lab tests align with what is currently in use in today's lab environment NEW Thorough revision of all chapters covers the latest anatomy and physiology lab exercises

Introduction to Kinesiology Shirl J. Hoffman, Duane V. Knudson, 2018-10-30
Introduction to Kinesiology Studying Physical Activity Fifth Edition With Web Study Guide gives students a complete overview of the field of kinesiology and explores the common career paths questions and ideas that are part of this dynamic and expanding discipline This engaging four color introductory text stimulates curiosity about the vast field of kinesiology provides a foundation for students to build on through further study and generates awareness of the long standing and current issues that kinesiology professionals seek to understand and solve Editors Shirl J Hoffman and Duane V Knudson have retained the book's strong framework and have used feedback from instructors to streamline and condense the text while adding new and updated content The fifth edition features a completely revitalized web study guide that encourages students to apply classroom content to real world activities and better prepare for exams The web study guide integrates reading assignments with gradable activities so that instructors can better monitor student progress test understanding of key concepts and adjust classroom discussions and pace Additional updates to this new fifth edition include the following Updates to data research and graphics to incorporate the most recent discoveries An increased focus on public health allied health and nutrition and wellness to reflect changes in this dynamic and growing field New Professional Issues in Kinesiology sidebars that look at the issues of equality evidence based practice expertise and overload as they relate to the field of kinesiology New Kinesiology Colleagues sidebars that introduce role models who demonstrate professional life in kinesiology and its related fields The text features the three section structure that has always been a strength of this leading introductory textbook Part I examines the diversity of physical activity and kinesiology and summarizes the importance of knowledge gained through physical activity experiences Part II delves into the seven major subdisciplines of kinesiology with an overview of major historical events research methods professional work and application and ideas for career advancement in each Part III elaborates on professionalism and then examines five main areas for career opportunities The extensive and revitalized instructor ancillaries include an instructor guide a test package chapter quizzes a presentation package and an image bank that includes most art and tables from the text Introduction to Kinesiology provides basic and essential information for students embarking on their study of kinesiology and this updated fifth edition prepares them for future courses and further study

Key Concepts in Sport and Exercise Research Methods Michael Atkinson, 2011-11-10
What a helpful book This will be a friend to many undergraduate students looking for clarification Helen Hazelwood St Mary's University College This is a great book that really helps the students understand research and the complex processes that

can often daunt even the most intelligent students Phil Barter Middlesex University Few can bring research methods to life like Mike Atkinson His breadth of research interests and experience mean he can introduce you to all you need to know and inspire you to get down to doing some research yourself Dominic Malcolm Loughborough University This book systematically demonstrates the significance and application of research methods in plain language Written for students it contains the core methodological concepts practices and debates they need to understand and apply research methods within the field of sport and exercise It provides a comprehensive panoramic introduction which will reassure and empower students Written by a leading academic and drawing on years of teaching experience it includes carefully cross referenced entries which critically engage with interdisciplinary themes and data Each concept includes clear definitions suggestions for further reading comprehensive examples practical applications Pragmatic lucid and concise the book will provide essential support to students in sports studies sport development sport and exercise science kinesiology and health

Sedentary Behavior and Health Weimo Zhu, Neville Owen, 2017-03-03 From office jobs and long commutes to passive entertainment like television and video games humans are sitting more than ever Though lack of exercise has major health consequences researchers are now examining the additional and widespread health risk of the simple act of sitting for extended periods With research from leading scientists Sedentary Behavior and Health Concepts Assessments and Interventions presents evidence on sedentary behavior its apparent health risks and suggestions on measuring and altering this behavior The highly respected international author team provides an interdisciplinary review of current research examining scientific public health and broader social questions about the implications of sedentary behavior These topics include humans physiological predispositions exacerbation of current health conditions like obesity and diabetes and the design and ergonomics of offices and chairs To examine the many facets of this developing area of study Sedentary Behavior and Health is divided into five parts Sedentary Behavior Concepts and Context reviews the physiology of sedentary behavior investigating current habits from the perspectives of evolution industrial engineering and design Sedentary Behavior and Health explores the relationship between sedentary behavior and several major chronic diseases including obesity cardiovascular disease and low back pain Measuring and Analyzing Sedentary Behavior explains research methods for understanding and measuring sedentary behavior in order to recognize patterns and design interventions Sedentary Behavior and Subpopulations covers issues risks and behaviors in groups such as children working adults older adults and minorities Changing Sedentary Behavior provides methods and recommendations for improvement with environmental social community worksite and technology based interventions Included in this groundbreaking text are learning objectives key concepts and study questions to focus attention on key issues and reinforce concepts Reviews of the literature in the field are presented many with comparisons in table form to provide the full scope of research Sidebars throughout the text apply theoretical concepts to real world scenarios Inactivity is mismatched with many aspects of humans genetic makeup While it is becoming the new norm the

consequences of this behavior are emerging as a public health threat Sedentary Behavior and Health will serve as a key reference for the rapidly emerging research area of sedentary behavior **Journal of Health, Physical Education, Recreation** ,1963 **The Muscle and Bone Palpation Manual with Trigger Points, Referral Patterns and Stretching - E-Book** Joseph E. Muscolino,2022-03-25 Build the clinical reasoning and clinical judgment skills you need for effective muscle palpation The Muscle and Bone Palpation Manual with Trigger Points Referral Patterns and Stretching 3rd Edition provides an in depth guide to the art and science of palpation along with clear instructions for massage assessment and treatment techniques It describes how to palpate how to stretch and how to utilize trigger points preparing you for practice with coverage of ligaments all major massage strokes and draping methods and a thorough chapter on body mechanics Written by noted lecturer and educator Joseph Muscolino this text includes access to an Evolve website with more than four hours of video demonstrating muscle palpations Step by step muscle palpation coverage makes it easy to understand and remember each step of palpation techniques UNIQUE Coverage of stretching describes the role of stretching as part of effective treatment with drawings of self care stretches presented alongside therapist assisted stretches General muscle information includes attachments actions and a drawing of the individual muscle Full color photos and illustrations show palpation of muscles exactly how the muscles look and where the muscle is located underneath the skin as it is being palpated Illustrations of trigger points and referral patterns make it easier to identify locations showing where trigger points lie on the muscle and where pain radiates when an injury is felt Coverage of bone palpation teaches you to identify and palpate bones and bony landmarks Assessment and massage treatment strokes are shown in illustrations and in the Palpation Notes moving you from theory and assessment to practical application Case studies in each chapter emphasize critical thinking and clinical reasoning allowing you to apply your knowledge to the practice setting Deeper Thoughts questions challenge your reasoning skills Measurable objectives at the start of each chapter identify key goals and are accompanied by a chapter overview outline and key terms NEW and UNIQUE Chapter on orthopedic assessment is added to this edition NEW video lessons on the Evolve website feature Dr Joe demonstrating bone and muscle palpation protocols

Neurophysiological Basis of Movement Mark L. Latash,2008 With eight new chapters and 130 pages of fresh material this second edition covers a wide range of topics including movement disorders and current theories of motor control and coordination **The Muscular System Manual** Joseph E. Muscolino,2016-04-22 Joe Muscolino s The Muscular System Manual The Skeletal Muscles of the Human Body 4th Edition is an atlas of the muscles of the human body This approachable yet detailed musculoskeletal anatomy manual provides both beginner and advanced students with a thorough understanding of skeletal muscles in a compartmentalized customizable layout Each muscle spread shows the individual muscle drawn over a photo of the human body with an arrow to indicate the line of pull of the muscle and explains the muscle name the origin of that name Greek and Latin derivations pronunciation attachments actions eccentric contraction function isometric

contraction function innervation to two levels of detail with predominant levels in bold and arterial supply to two levels of detail This new edition also features robust Evolve resources an updated art program and new chapter review and critical thinking questions that encourage you to apply what you have learned to prepare for practice UNIQUE Overlay art consisting of over 380 full color anatomical illustrations of muscles bones and ligaments drawn over photographs helps identify the positions of muscles and bones in the human body UNIQUE Electronic Muscle and Bone Review Program features a base photograph with a skeleton drawn in and a list of every muscle for each major region of the body so students can choose any combination of muscles and place them onto the illustration allowing them to see not only the muscle attachments but also the relationship among the muscles of the region Complete muscle coverage in an easy to understand layout makes this text appropriate for novices to anatomy as well as intermediate and advanced students Content organized by body region and includes information on how muscles in that region function together and large drawings of the muscles of that region so you can go directly to the topic you are studying Covers the methodology for each muscle with information for learning muscle actions to explain the reasoning behind each action and encourage you to learn and not just memorize A four color student friendly design with sections clearly boxed throughout and checkboxes that help you keep track of what you need to learn and what you have mastered Customizable format with checkboxes and numbered lists in each muscle layout presents basic muscle information for the beginning student in bold type and more advanced information in regular type Palpation boxes include bulleted steps instructing how to palpate each muscle so you can apply this assessment skill in practice Evolve website for instructors includes TEACH Resources a Test Bank and an image collection so instructors can easily access all of the materials they need to teach their course in one place and track through the course management system provided via Evolve Evolve website for students includes access to audio of the author reading aloud muscle names attachments and actions for the muscles covered in the book labeling exercises and more to enrich your learning experience

Recovery for Performance in Sport Christophe Hausswirth,Iñigo Mujika,Institut national du sport et de l'éducation physique (France),2013 Recovery for Performance in Sport encompasses the latest scientific research in the study of recovery and draws from the experience of applied sport scientists working with elite athletes in leading performance and recovery centers around the globe

Resources in Education ,1990-10 *The Publishers' Trade List Annual* ,1984

Massage Therapy E-Book Susan G. Salvo,2019-02-28 Make the essential principles of massage therapy more approachable Covering massage fundamentals techniques and anatomy and physiology Massage Therapy Principles and Practice 6th Edition prepares you for success in class on exams and in practice settings The new edition of this student friendly text includes more than 700 images expanded information on the latest sanitation protocols critical thinking questions at the end of each chapter and updated pathologies which reflect what you will encounter in the field UPDATED pathologies ensure they are current and reflect what you will see in the field as a practitioner UPDATED Research Literacy and evidence informed

practice skills emphasize how to locate and apply scientific data and the latest research findings in your massage practice Licensing and Certification Practice Exams on Evolve mimics the major high stakes exams in format and content builds confidence and helps increase pass rates Complete anatomy and physiology section in addition to material on techniques and foundations you all the information you need in just one book Robust art program enhances your understanding and comprehension of each topic presented through visual representation Case studies challenge you to think critically and apply your understanding to realistic scenarios foster open mindedness cultural competency and stimulate dialogue Profile boxes provide an inspirational real world perspective on massage practice from some of the most respected authorities in massage and bodywork Clinical Massage chapter focuses on massage in therapeutic and palliative settings such as hospitals chiropractic and physical therapy offices nursing homes and hospice care centers to broaden your career potential Business chapter loaded with skills to help make you more marketable and better prepared for today s competitive job market NEW UPDATED information throughout including the latest sanitation protocols ensures the most current accurate and applicable content is provided and is appropriate for passing exams and going straight into practice NEW Critical thinking questions at the end of the chapters help you develop clinical reasoning skills NEW Maps to FSMTB s MBLEx exam the Entry Level Analysis Project ELAP and Massage Therapy Body of Knowledge MTBOK to illustrate that our content is in line with the core entry level massage therapy curriculum NEW Revised Kinesiology images include colored indications of origins and insertions

Mosby's Fundamentals of Therapeutic Massage - E-Book Sandy Fritz,Luke Allen Fritz,2024-05-28 Gain the knowledge and skills you need to succeed in massage therapy Mosby s Fundamentals of Therapeutic Massage 8th Edition helps you prepare for licensing and certification exams as well as professional practice The book provides an in depth understanding of the principles of therapeutic massage and helps you develop the ability to reason effectively and make informed decisions from assessing problems and planning treatment to mastering massage protocols and techniques Hundreds of photographs demonstrate massage techniques step by step and case studies allow you to apply concepts to real world situations Featuring dozens of online how to videos this resource from massage therapy experts Sandy and Luke Fritz is your text of choice Comprehensive coverage includes all of the fundamentals of therapeutic massage including massage techniques equipment and supplies wellness working with special populations and business considerations Step by step full color photographs demonstrate massage protocols and techniques by body area Competency based approach helps you prepare for and pass licensing and certification exams including the Massage and Bodywork Licensing Examination MBLEx and Board Certification in Therapeutic Massage and Bodywork BCTMB Information on massage in various health care settings provides the information needed to create a massage setting in different types of environments Case studies offer practice with clinical reasoning and prepare you to address conditions commonly encountered in professional practice Multiple choice review questions in each chapter help you recall facts and use critical thinking to apply the material with

answers and rationales provided on the Evolve website Resources on the Evolve website include three hours of video showing manipulation techniques body mechanics positioning and draping and more with each clip narrated and performed by author Sandy Fritz as well as scientific animations anatomy labeling exercises review questions for licensing exams and MBLEx practice exams NEW Updated MBLEx practice questions are provided at the end of each chapter and additional questions are provided on the Evolve website to prepare you for licensure exams NEW Updated and expanded information on implicit bias is included in the opening chapters NEW Information on COVID 19 safety precautions is added to the Hygiene Sanitation and Safety chapter NEW Updated information on trauma informed care is provided in the Adaptive Massage chapter

Human Motor Development V. Gregory Payne, Larry D. Isaacs, 2024-08-13 Human Motor Development A Lifespan Approach Eleventh Edition provides an overview of the academic field of study known as human motor development the examination of lifelong changes in human movement The book uses a holistic approach and emphasizes the importance of intellectual social and physical development and their impact on human motor development at all ages The unique approach of this book includes the relationships between motor development and critical interactions with cognitive social and physical changes across the lifespan Organized into five parts the book examines key topics in motor development including the relationship between cognitive and social development and motor development factors affecting development changes across the lifespan and assessment in motor development with special attention being applied to adulthood and older adulthood given the increasing numbers of people in those age groups worldwide Each chapter includes chapter objectives a summary a list of key concepts questions for reflection a list of related online resources and an extensive reference list Highly illustrated and written for student accessibility by providing access to a fully updated companion website which includes laboratory exercises an instructors manual a test bank and lecture slides Human Motor Development A Lifespan Approach is essential reading for students of motor control and development kinesiology and human performance and for students interested in physical therapy physical education and exercise science The Biophysical Foundations of Human Movement Bruce Abernethy, 2005 Introduces each of the major biophysical subdisciplines of kinesiology including biomechanics exercise physiology motor control and sport and exercise psychology Chapters describe each subdiscipline s basic methods and concepts typical research questions interpretations of lifespan changes and adaptations to training key historical developments and professional training and organizations Also included are brief reports of exemplary research studies from around the world as well as some web sites and list servers that focus on relevant topics in human movement studies Annotation copyrighted by Book News Inc Portland OR

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Kinesiology Student Workbook Second Edition Answers Introduction

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