

MICROSCOPIC ANATOMY OF SKELETAL MUSCLE

4. First, identify the structures in Column B by matching them with the descriptions in Column A. Enter the correct letters (or terms if desired) in the answer blanks. Then, select a different color for each of the terms in Column B that has a color-coding circle and color the structures in on Figure 6-2.

Column A

- _____ 1. Connective tissue surrounding a fascicle
- _____ 2. Connective tissue ensheathing the entire muscle
- _____ 3. Contractile unit of muscle
- _____ 4. A muscle cell
- _____ 5. Thin connective tissue investing each muscle cell
- _____ 6. Plasma membrane of the muscle cell
- _____ 7. A long, filamentous organelle found within muscle cells that has a banded appearance
- _____ 8. Actin- or myosin-containing structure
- _____ 9. Cordlike extension of connective tissue beyond the muscle, serving to attach it to the bone
- _____ 10. A discrete bundle of muscle cells

Column B

- A. Endomysium ☐
- B. Epimysium ☐
- C. Fascicle
- D. Fiber ☐
- E. Myofilament
- F. Myofibril ☐
- G. Perimysium ☐
- H. Sarcolemma
- I. Sarcomere
- J. Sarcoplasm
- K. Tendon ☐

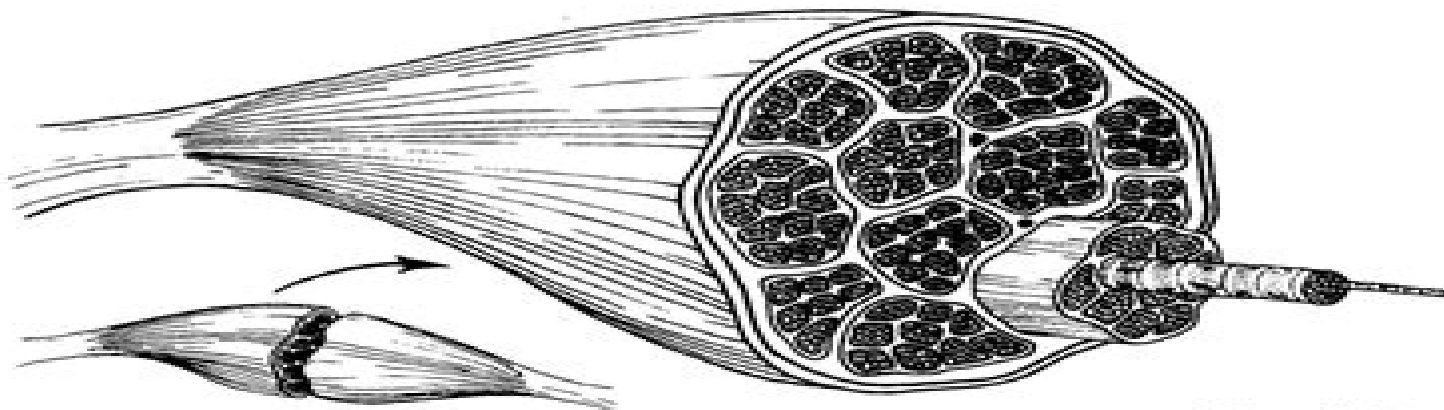


Figure 6-2

Anatomy The Muscular System Answers

Akash Tiwari



Anatomy The Muscular System Answers:

Applied Anatomy and Physiology Mr. Rohit Manglik, 2024-07-24 Tailored for healthcare learners this book applies anatomical and physiological knowledge to real life clinical situations with clear illustrations and explanations

Invertebrate Zoology (Multicolour Edition) P.S.Verma, 2001-01-21 For B Sc and B Sc hons students of all Indian Universities Also as per UGC Model Curriculum The multicoloured figures and arrestingly natural photographs effectively complement the standard text matter The target readers shall highly benefit by correlating the content with the multicoloured figures and photographs The book has been further upgraded with addition of important questions long short very short and multiple questions in all chapters A complete comprehensive source for the subject matter of various university examinations **A Programmed Approach to Anatomy and Physiology: The muscular system**, 1972

Introduction to Veterinary Anatomy and Physiology E-Book Victoria Aspinall, Melanie Cappello, 2009-04-24 A sound knowledge of anatomy and physiology is an essential basis for the effective clinical treatment of companion animals The new Introduction to Veterinary Anatomy and Physiology Textbook builds on the success of the first edition in its thorough coverage of the common companion animal species Updated throughout the new edition features online learning resources providing students with the opportunity to test their knowledge with questions and visual exercises while instructors can download questions figures and exercises to use as teaching aids An essential first purchase for all those embarking upon a veterinary career Now with on line resources including self assessment tools and teaching aids Comprehensive coverage of all major companion animal species New equine chapter Applied Anatomy tips relate theory to clinical practice showing the relationship between anatomy and physiology and the disease process **The Handy Anatomy Answer Book** Patricia Barnes-Svarney, Thomas E. Svarney, 2016-01-18 Two established science writers and researchers distill and present the latest and most important information on anatomy and physiology in an easy to use question and answer approach We all have one The human body But do we really know all of its parts and how they work The Handy Anatomy Answer Book is the key to unlocking this door to a wondrous world Learn how the body heals wounds Untangle the mysteries of eyesight Discover how cells organize themselves into organs and other tissues From the violent battleground that is the immune system to the hundreds of miles of muscle fibers nerves veins and arteries that fill our bodies the human is a miracle waiting to be explored The Handy Anatomy Answer Book covers all the major body systems integumentary skin hair etc skeletal muscular nervous sensory endocrine cardiovascular lymphatic respiratory digestive urinary and reproductive and for good measure adds chapters on growth and development and how science can help and augment the body It follows the fascinating maze of organ systems and shows how much the body does routinely just to let you move breathe eat and fight off disease Fascinating trivia along with serious facts combine to answer over 1 200 questions about the human body including Who were Hippocrates and Galen What is Gray s Anatomy Do all animals need oxygen What are the largest smallest and longest cells in

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