

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 ☐

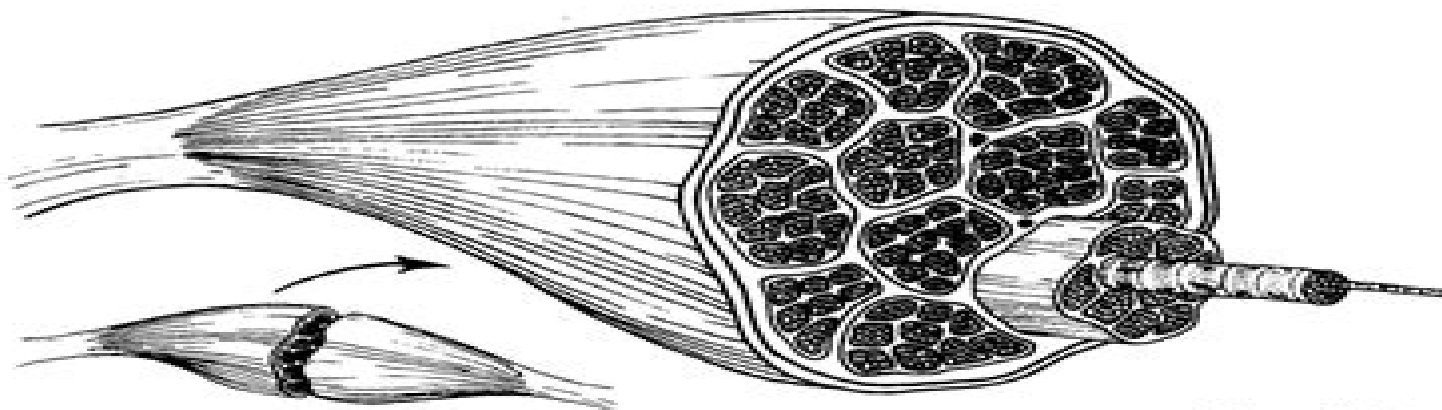


Figure 6-2

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J. Gordon Betts



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where the force exerted is the action and the force experienced as a consequence is the reaction

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