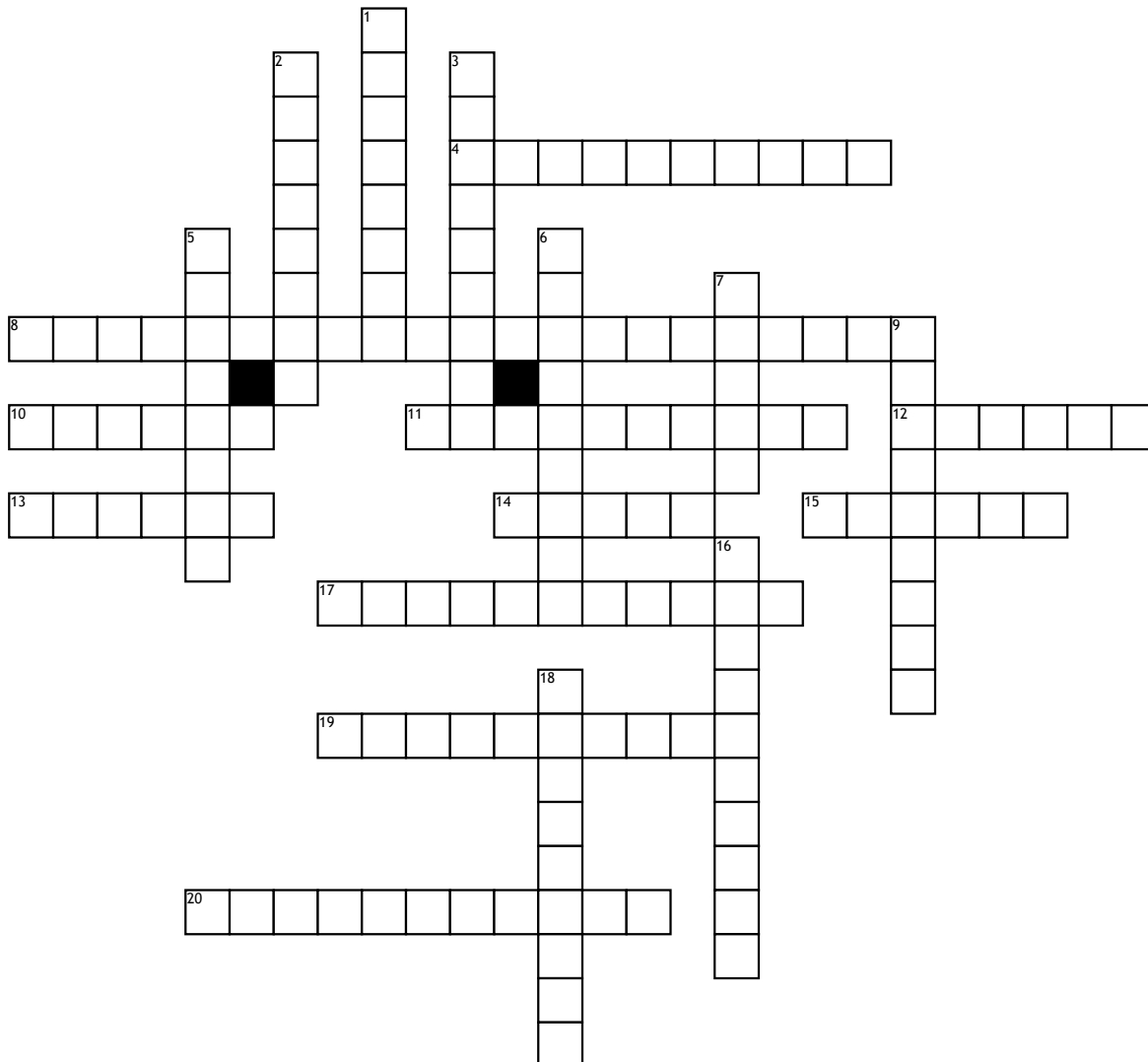


gross anatomy vocab



Across

4. The plasma membrane of a muscle fiber; formerly, the delicate connective tissue of the endomysium was included under this term by some
8. a small network, especially a protoplasmic network in cells.
10. a cord or band of strong white fibrous tissue that connects a muscle to a bone
11. the sheath of delicate reticular fibrils that surrounds each muscle fiber.
12. the source or beginning of anything, especially the more fixed end or attachment of a muscle
13. one of the two main proteins of muscle. Myosin and actin are the proteins involved in contraction of muscle fibers
14. The abdomen

15. cross-striation bisecting the I band of striated muscle myofibrils and serving as the anchoring point of actin filaments at either end of the sarcomere
17. an elongated threadlike structure.
19. the interfibrillary matter of striated muscle.
20. a muscle protein of the I band that inhibits contraction by blocking the interaction of actin and myosin, except when influenced by troponin

Down

1. a small tube; especially, a minute canal found in various structures or organs of the body
2. A band or bundle of fibers, usually of muscle or nerve fibers; a nerve fiber tract.
3. the site of attachment, as of a muscle to the bone that it moves.

5. tropomyosin to initiate contraction.
6. The segment of a myofibril between two adjacent Z lines, representing the functional unit of striated muscle
7. a muscle protein localized in the I band of myofibrils; acting along with myosin particles, it is responsible for the contraction and relaxation of muscle fibers
9. one of the slender threads of a muscle fiber, composed of numerous myofilaments; called also muscle fibril. adj., adj myofi 'brillar
16. The fibrous sheath enveloping each of the fascicles of skeletal muscle fibers.
18. The fibrous connective tissue envelope surrounding a skeletal muscle