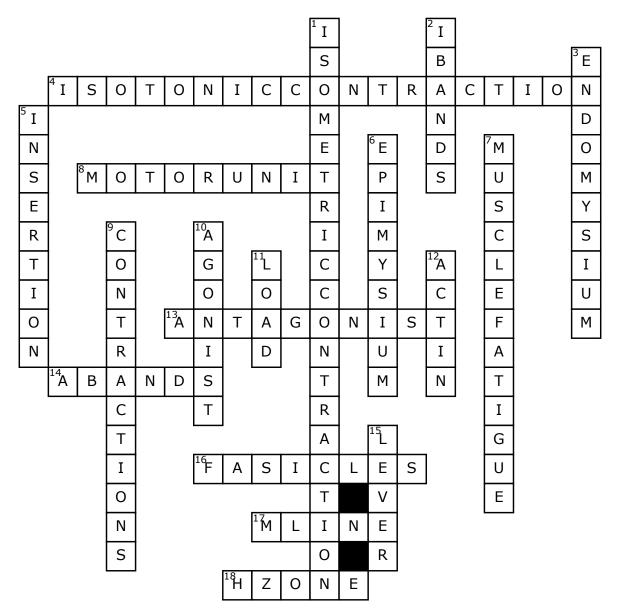
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Muscles & Muscle Tissue



Across

- **4.** (1) concentric and (2) eccentric contractions are _____
- **8.** A _____ unit is made up of a motor neuron and the skeletal muscle fibers innervated by that motor neuron's axonal terminals.
- **13.** _____ agonist muscles often occur in pairs, called antagonistic pairs.
- **14.** what is the dark-staining anisotropic cross striations in the myofibrils of muscle fibers, comprising regions of overlapping thick (myosin) and thin (actin) filaments.
- **16.** a bundle of structures, such as nerve or muscle fibers.
- **17.** the attachment site for the thick filaments.

18. The region of a striated muscle fibre that contains only thick (myosin) filaments

Down

- 1. a type of strength training in which the joint angle and muscle length do not change during contraction (compared to concentric or eccentric contractions, called dynamic/isotonic movements).
- 2. the thick filaments, are bipolar and extend throughout the A-band. They are cross-linked at the centre by the M-band.
- **3.** a wispy layer of areolar connective tissue that ensheaths each individual myocyte (muscle fiber, or muscle cell).
- **5.** The origin is the fixed attachment, while the _____ moves with contraction.

- **6.** a sheath of fibrous elastic tissue surrounding a muscle.
- **7.** the decline in ability of a muscle to generate force.
- **9.** The three different types of muscular
- **10.** what is a chemical that binds to a receptor and activates the receptor to produce a biological response.
- 11. also an agonist
- **12.** what is essential for such important cellular functions as the mobility and contraction of cells during cell division.
- **15.** In producing a body movement, bones act as ____ and joints function as fulcrums of these ____.