Muscles Crossword Puzzle!

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| **Across****4.** Muscle found under the scapula that helps form the rotator cuff in Image #10, shown in the arrow below **8.** Another name for long fibered muscles or paralleled muscles.**12.** Muscle growth from heavy training is muscle...**14.** The ion that binds to troponin to contract a muscle, by pulling tropomyosin away from the cross-bridge binding site. **17.** Fiber length is determined by the number of \_\_\_\_\_\_\_\_\_\_\_\_ in a series, in Image #12**18.** The point where a muscle connects to but never moves. **20.** With long term inactivity, this replaces muscle fibers.**22.** The state of the skeletal muscle shown in Image #2**23.** Image #4 shows a muscle contracting but not shortening, this is an example of what type of contraction**24.** A twisting force that tends to cause rotation.**25.** Look at Image #1, what are the structures in red? **26.** Lack of muscle activity resulting in decrease in muscle mass.**27.** The state of the skeletal muscle shown in Image #3**28.** Muscle architecture found in the superficial, lateral surface of the shoulder, in Image #9**29.** The muscle shown in Image #8 | **Down****1.** The largest gluteal muscle. **2.** The abbreviation for the area of muscles that is proportional to muscle force.**3.** In skeletal muscle, which muscle protein blocks the cross-bridge binding site on actin?**5.** Name the five individual units that make up the motor neuron shown in Image #5.**6.** During what phase of muscle movement is indicated in Image #6**7.** Name the large, easily fatigued muscle fibers shown in the photo below.**9.** The muscle responsible for abducting the thigh at the hip, inserted at the anterior surface of the greater trochanter, shown in Image #11**10.** The term/name used to describe a straight muscle.**11.** Another word commonly used for the term “externus”.**13.** Action potentials in the motor neuron cause the release of this chemical**15.** The type of contraction in Image #7**16.** The muscle protein involved in muscle contraction that pairs with Tropomyosin in the thin filaments, within the skeletal muscles. **19.** As part of the \_\_\_\_ system, muscle acts to produce force.**21.** The type of skeletal muscle fiber that is small in diameter and fatigue resistant. |