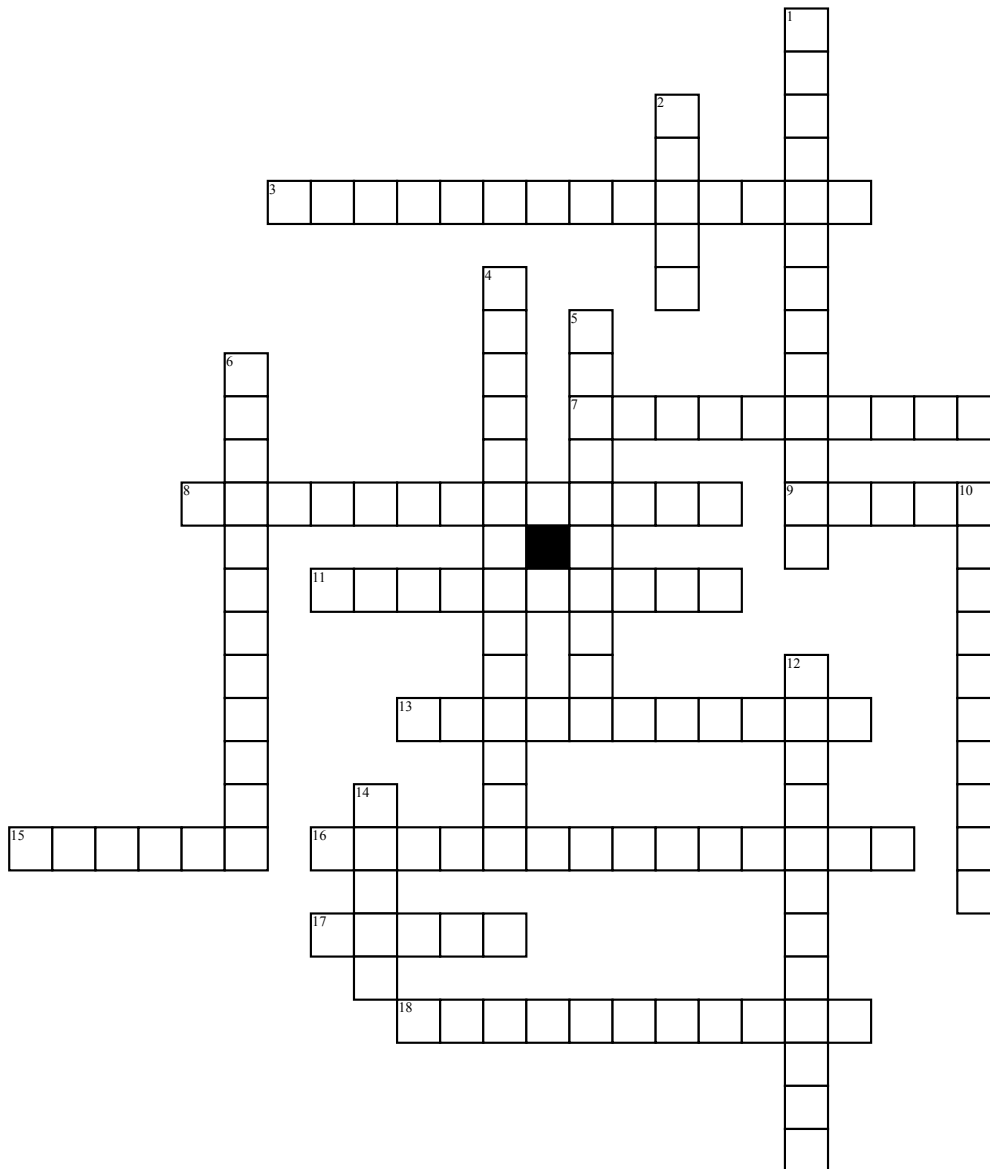


Muscular skeletal system



Across

3. During muscle contraction the thin actin filaments slide over the thick _____
7. A skeletal muscle action potential is generated when the motor endplate potential is sufficient to raise the surrounding sarcolemmal potential above the threshold for activation of the voltage gated Na⁺ channels that are abundant throughout the
8. The ability to contract and generate force is
9. Skeletal muscle is one of _____ major muscle types,
11. A nerve impulse travels to the neuromuscular junction on a
13. This develops as many embryonic myocytes fused into one long, multi-nucleated skeletal muscle cell

15. The hardest working _____ is the heart

16. The gluteus _____ is the largest muscle in the human body

17. Most skeletal muscles are attached to _____ by bundles of collagen fibers known as tendons.

18. Smooth muscle is an _____ non-striated muscle

Down

1. _____ is the ability to stretch without being damaged

2. cardiac muscle is only found in the _____ and makes up the bulk of the mass.

4. An individual _____ may be made up of hundreds, or even thousands, of muscle fibers bundled together and wrapped in a connective tissue covering.

5. Each skeletal muscle fiber is a single cylindrical

6. _____ generally forms the supporting tissue of blood vessels and hollow internal organs, such as the stomach, intestine, and bladder.

10. _____ is the connective tissue surrounding individual muscle fibers, and they're packed within a fascicle

12. Most cells in the body make use of charged particles, ions, to build up a charge across the

14. Tissue. Cardiac muscle tissue is an extremely specialized form of muscle tissue that has evolved to pump _____ throughout the body