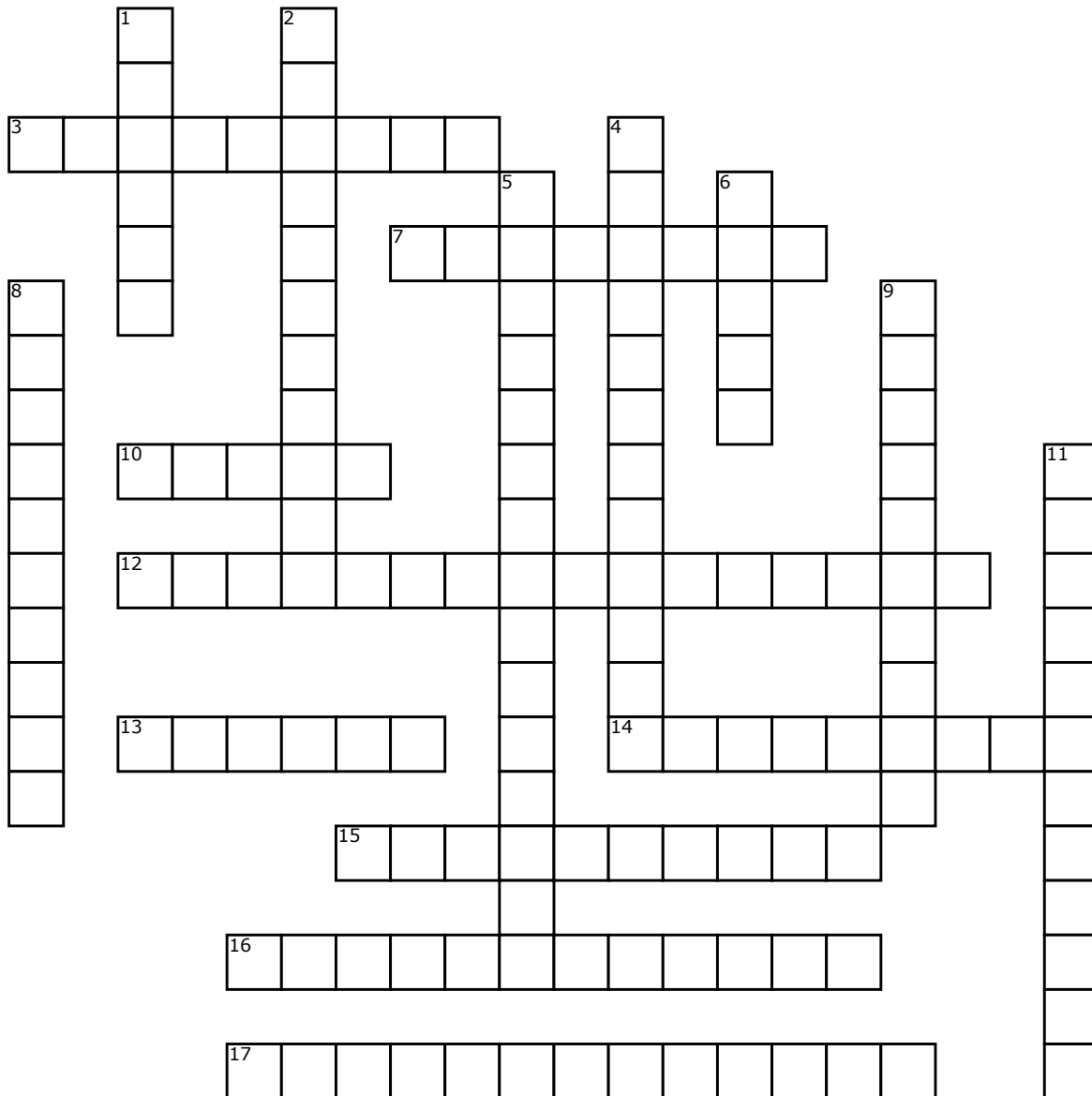


Muscles & Muscle Tissue pt.2



Across

3. an iron- and oxygen-binding protein found in the muscle tissue of vertebrates in general and in almost all mammals.

7. very sensitive and specific indicators of damage to the heart muscle (myocardium).

10. A sarcomere is defined as the segment between two neighboring _____-lines

12. a deep invagination of the sarcolemma, which is the plasma membrane of skeletal muscle and cardiac muscle cells.

13. the fixed attachment, while the insertion moves with contraction.

14. a structural unit of a myofibril in striated muscle, consisting of a dark band and the nearer half of each adjacent pale band.

15. s the continuous and passive partial contraction of the muscles

16. have different contraction speeds

17. he condition in which muscles of the body remain semi-contracted for an extended period

Down

1. a large superfamily of motor proteins that move along actin filaments, while hydrolyzing ATP.

2. a protein involved in muscle contraction. It is related to myosin and occurs together with troponin in the thin filaments of muscle tissue.

4. the filaments of myofibrils, constructed from proteins, principally myosin or actin.

5. muscle whose action is normally controlled by an individual's will; mainly skeletal muscle, composed of parallel bundles of striated, multinucleate fibers

6. also known as connectin, is a protein that, in humans, is encoded by the TTN gene.

8. the sheath of connective tissue surrounding a bundle of muscle fibers.

9. the fine transparent tubular sheath that envelops the fibers of skeletal muscles.

11. a small, local, involuntary muscle contraction and relaxation which may be visible under the skin