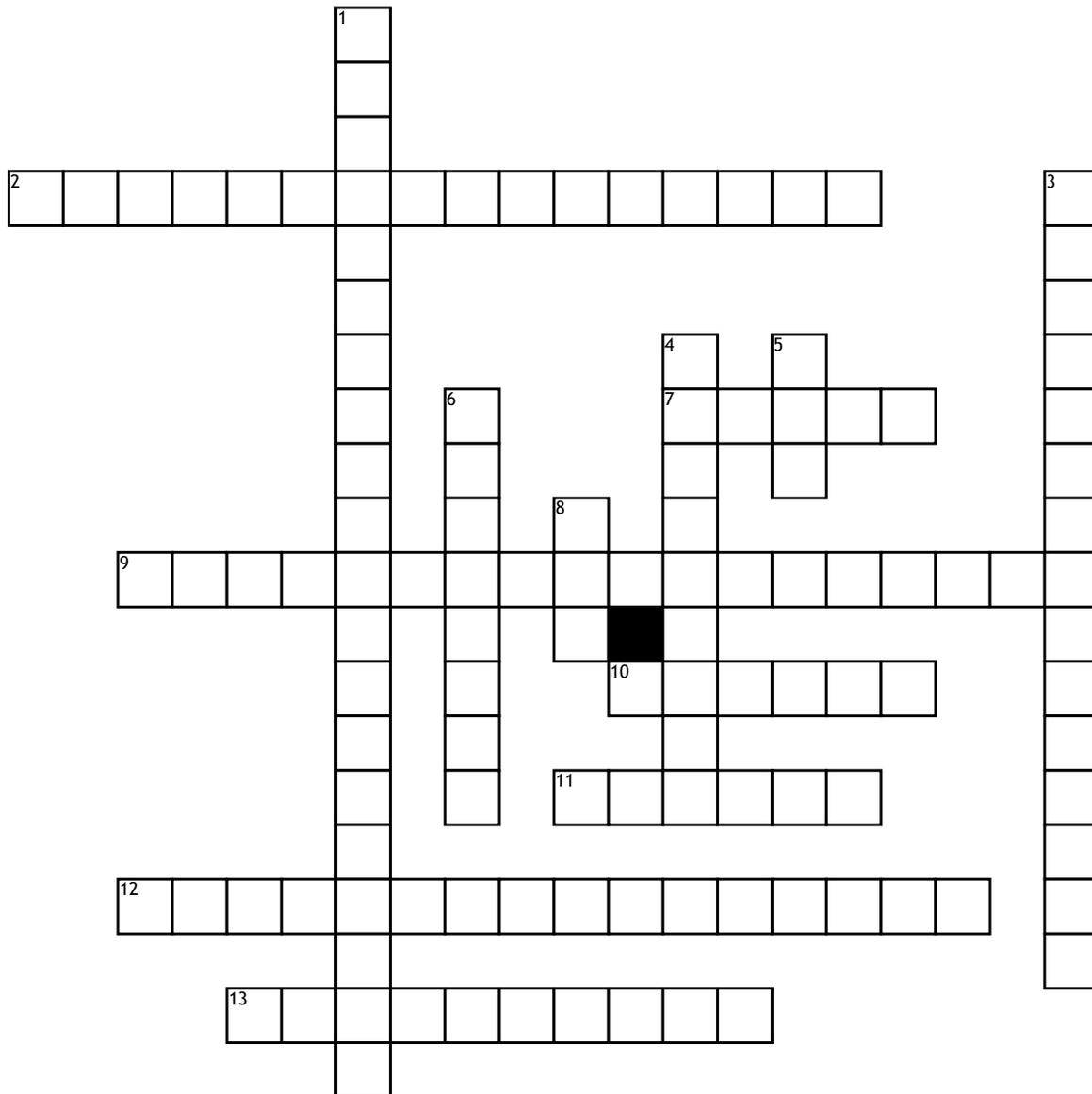


Technology in Sports Medicine



Across

2. Measures muscle response or electrical activity in response to a nerve's stimulation of the muscle
7. How many types of skeletal muscle fibers are there
9. Uses a portion of patient's own blood having a platelet concentration above baseline to promote healing of injured tendons, ligaments, muscles and joints.

10. What can we use here that modifies weight bearing to assist with proper gait mechanics and regain confidence in exercise progression?

11. A narrow beam of x-ray passes through the body to produce detailed cross-sectional images.

12. What does EMG stand for?

13. Type 1 skeletal muscle fibers

Down

1. the application of a specialized tourniquet system to a proximal arm or leg

3. used for broad-based multiple athlete testing-- all the way down to single joint testing and analysis

4. Non-specialized cell types that have the ability to transform into whatever tissue they contact

5. provides pictures of blood vessels and blood flow

6. patterns to initiate isometric foot prep activities and progressive DL and SL stability

8. Scan that uses a strong magnetic field and radio waves to create detailed images of organs and tissues within the body