

Name: _____ Date: _____

Muscular Tissue

1. Contractile organelles of skeletal muscle; extend the entire length of a muscle fibre
 2. A type of bone which contains few spaces, provides protection & support; resists stresses produced by weight and movement
 3. One of the vitamins required for bone growth
 4. A property of muscle tissue that involves the ability stretch without being damaged; allows muscles to contract forcefully even if it is already stretched
 5. One of the main minerals required for bone growth
 6. This type of muscle tissue has intercalated discs
 7. The process in which there is ongoing replacement of old bone tissue by new ones
 8. A hormone which decreases blood calcium
 9. A hormone which increases blood calcium levels
 10. The synapse between a somatic motor neuron and a skeletal muscle fibre
 11. A property of muscle tissue that involves the ability to contract forcefully when stimulated by an action potential
 12. This type of muscle tissue is striated; involved in movement
 13. Fluid-filled system of sacs that encircles each myofibril; in the relaxed muscle it stores calcium ions; release of calcium triggers muscle contraction
 14. A protein which contains a myosin-binding site where a myosin head can attach
 15. The cytoplasm of the muscle fibre
 16. Unspecialized stem cells
 17. A process in which the thick and thin filaments slide past one another
- A. Contractility
 - B. Myofibrils
 - C. Osteogenic Cells
 - D. Actin
 - E. Sarcoplasm
 - F. Compact Bone
 - G. Skeletal
 - H. Phosphorus
 - I. Parathyroid Hormone (PTH)
 - J. Bone Remodelling
 - K. Vitamin K
 - L. Extensibility
 - M. Cardiac
 - N. Calcitonin
 - O. Neuromuscular Junction (NMJ)
 - P. Vitamin A
 - Q. Sliding Filament Mechanism

18. A type of bone that is mainly located in non-heavily stressed areas or where stresses are applied from many directions

19. Vitamin that stimulates the activity of osteoblasts

20. One of the main minerals required for bone growth

R. Sarcoplasmic Reticulum

S. Spongy Bone

T. Calcium