

Hw # __ Name _____ Period __ Date _____

Muscle Physiology

1. Protein composing the thin filaments of a muscle cell _____
2. Proteins composing the thin filament active sites _____
3. The part of the thick filament that connects to an active site _____
4. The cytoplasm of a muscle cell _____
5. The sheath of connective tissue surrounding an entire muscle _____
6. Contents that make up the z line _____
7. The contents that make up the A band _____
8. A motor unit consists of _____
9. The junction of a nerve and a muscle fascicle is the _____
10. What causes rigor mortis _____
11. Neurotransmitters involved in muscle contraction and relaxation are _____
12. The energy used during vigorous muscular activity to produce ATP _____
13. The type of muscle fiber common t persons who are best at weight lifting

14. Describe creatine phosphate's role in muscle contraction.