**Working out the Muscles Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**



As an amazing anatomy and physiology student you have the daunting task of understanding a ton of VOCABULARY! Now is your chance to really show your stuff!!  
**Project**  
Your task is to display how a muscle cell goes from a relaxed to a contractile state. Your project must have a key or descriptions, be creative, accurate and should contain all 16 words from the list below. Here are some options for your project: video, photostory, animoto, prezi, poster, song/rap, creative story, etc. If you are building a model you must bring in your own supplies and they should be everyday household (non-perishable) items (string, noodles, paper, soda tabs, etc.).

* A Band
* Acetylcholine
* Actin
* Action Potential
* ATP
* Calcium
* Acetylcholinesterase
* I Band
* Myosin
* Neuron
* Sarcolemma
* Sarcomere
* Sarcoplasmic Reticulum
* Sliding Filament Theory
* Sodium
* Synaptic Cleft

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| --- | --- | --- | --- | --- |
| **Rubric** | **5** | **3** | **1** | **TOTAL** |
| **Accuracy** | Depiction of all terms were accurate and explained how a muscle went through the steps of contraction | Depiction of half the terms were accurate and mostly explained how a muscle went through the steps of contraction | Depiction of 1/3 of the terms were accurate and steps of contraction lacked clarity |  |
| **Creativity** | Students used creative ideas and used all terms creatively | Students used somewhat creative ideas and used half of the terms creatively | Students used very little creativity in their muscle map |  |
| **Presentation  (when applicable)** | N/A | Students displayed a clear understanding of muscle contraction and presented the project fluently to the class. All students participated. | Understanding of muscle contraction is not apparent and project is unclear. |  |
| **Vocabulary**  1/2 point for each word used: 8 pts total | Depiction of terms must be accurate to receive credit | | |  |
| Total: \_\_\_\_\_\_\_\_\_/21 points | | | |  |

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| **Peer Assessment** | | | | **Group Names** | | | | | |
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| **Rubric** | **5** | **3** | **1** | **TOTAL** | **TOTAL** | **TOTAL** | **TOTAL** | **TOTAL** | **TOTAL** |
| **Accuracy** | Depiction of all terms were accurate and overall presentation correct | Depiction of half the terms were accurate and overall presentation was mostly correct | Depiction of 1/3 of the terms were accurate and overall presentation lacked clarity |  |  |  |  |  |  |
| **Creativity** | Students used unique household items and used all terms creatively | Students used some unique household items and used half of the terms creatively | Students used very little creativity in their muscle map |  |  |  |  |  |  |
| **Presentation** | N/A | Students displayed a clear understanding of muscle contraction and presented the project fluently to the class. All students participated. | Understanding of muscle contraction is not apparent and project is unclear. |  |  |  |  |  |  |
| **Vocabulary**  1/2 point for each word used: 8 pts total | A Band Acetylcholine Actin Action Potential ATP Calcium Acetylcholinesterase I Band Myosin | Neuron Sarcolemma Sarcomere Sarcoplasmic Reticulum Sliding Filament Theory Sodium Synaptic Cleft |  |  |  |  |  |  |  |
|  | | | | | | | |  |  |
| Total: \_\_\_\_\_\_\_\_\_/21 points | | | |  |  |  |  |  |  |