**~ THE MUSCULAR SYSTEM ~ Chapter 11**

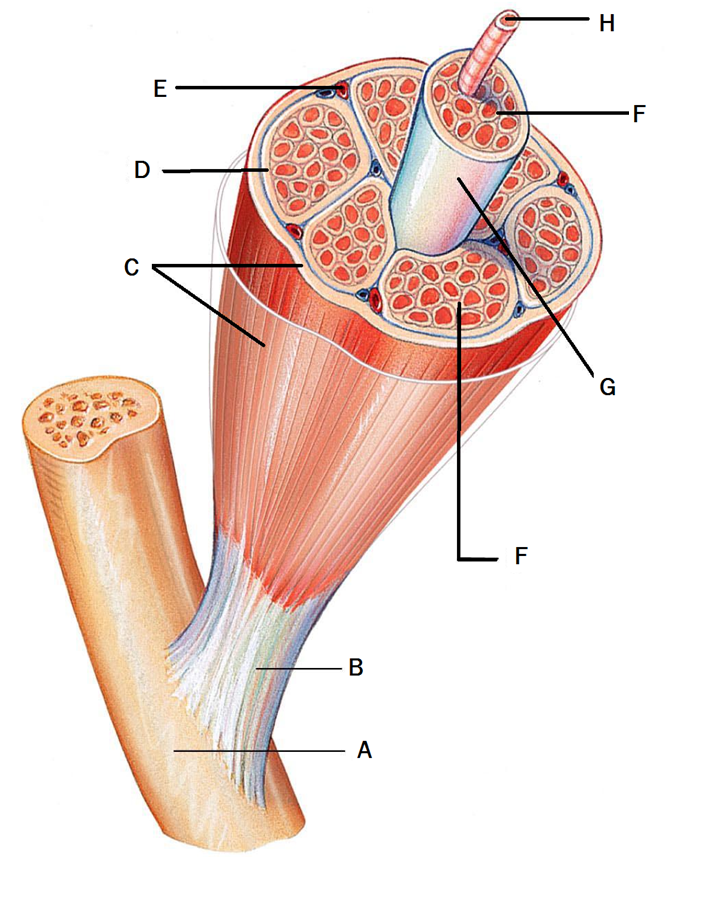
*General functions & Properties:*

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**~ MUSCLE TISSUE TYPES ~**

|  |  |  |  |
| --- | --- | --- | --- |
| **Functions**  **& Control** |  |  |  |
| **Appearance** |  |  |  |
| **Location/s** |  |  |  |
| **Muscle**  **Type** | **Skeletal** | **Cardiac** | **Smooth** |

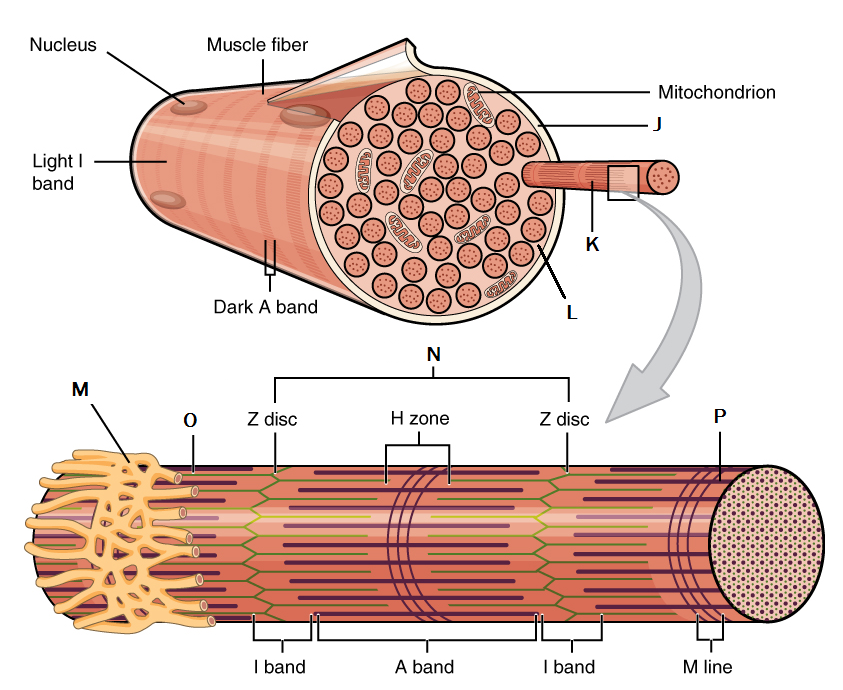
**~ SKELETAL MUSCLE STRUCTURE ~**



*https://www.studyblue.com/notes/note/n/chapter-7/deck/12388264*

|  |  |  |
| --- | --- | --- |
| **Letter** | **Name of structure** | **Description / Function** |
| **A** |  |  |
| **B** |  |  |
| **C** |  |  |
| **D** |  |  |
| **E** |  |  |
| **F** |  |  |
| **G** |  |  |
| **H** |  |  |

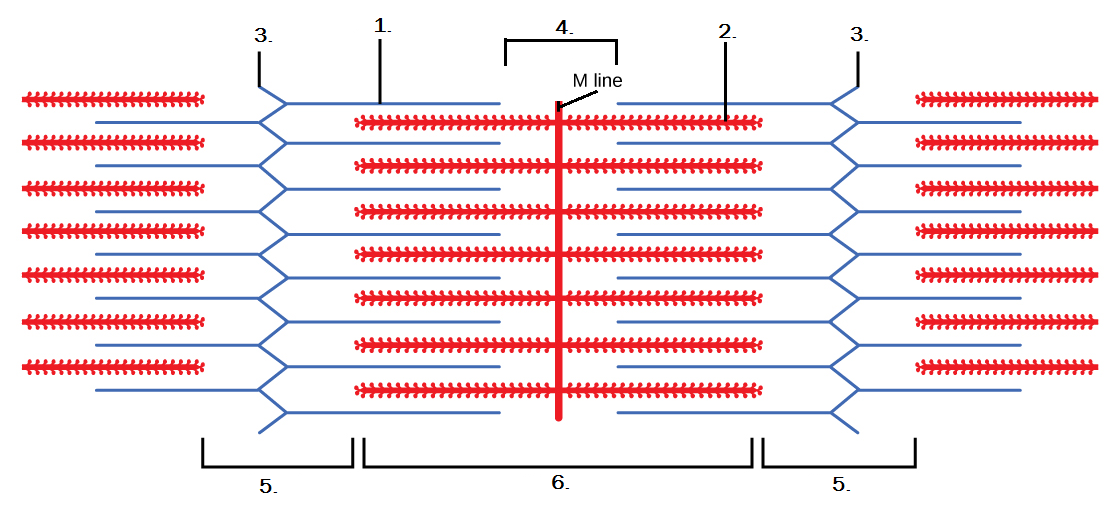
**MUSCLE FIBER (MICROSCOPIC) STRUCTURE**



*https://opentextbc.ca/anatomyandphysiology/chapter/10-2-skeletal-muscle/*

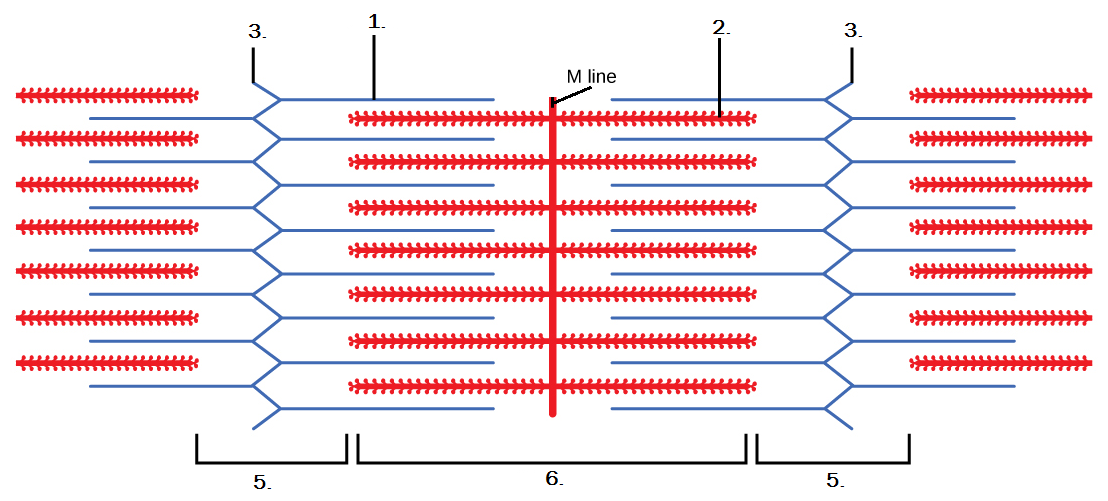
|  |  |  |
| --- | --- | --- |
| **Letter** | **Name of structure** | **Description / Function** |
| **J** |  |  |
| **K** |  |  |
| **L** |  |  |
| **M** |  |  |
| **N** |  |  |
| **O** |  |  |
| **P** |  |  |

**SARCOMERE STRUCTURE**

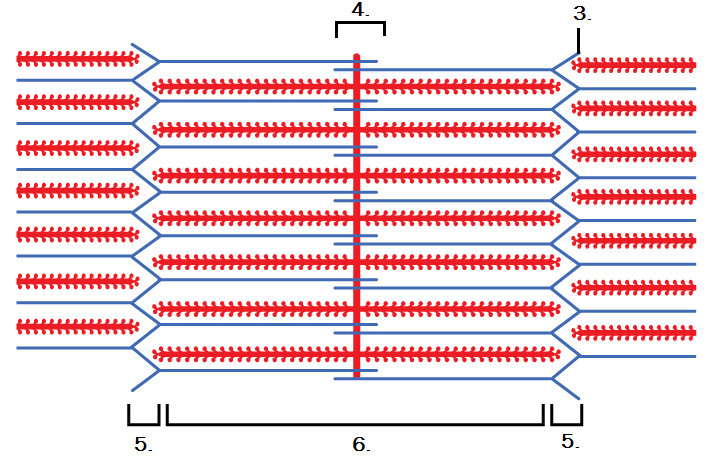


*http://archive.cnx.org/contents/b7c9b702-b46c-435e-bea3-eee85ed940b4@6/muscle-contraction-and-locomotion*

**RELAXED:**



**CONTRACTED:**



**SLIDING FILAMENT MODEL**

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| --- |
| **1.** |
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| **2.** |
|  |
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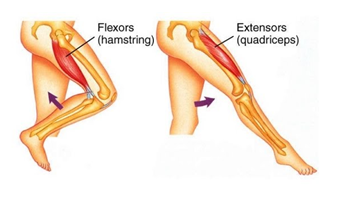
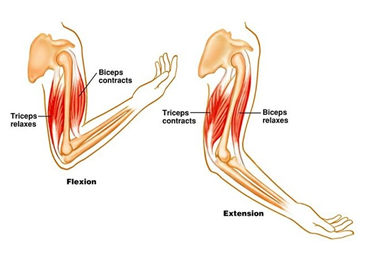
|  |
| --- |
| **3.** |
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| **4.** |
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| --- |
| **5.** |
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| --- |
| **NOTE:** |
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**~ WORKING MUSCLES ~**



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| --- |
| *Describe how muscles work in pairs.* |
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|  |

*Define the following terms:*

|  |  |
| --- | --- |
| **Antagonist** |  |
| **Agonist / Prime Mover** |  |
| **Origin** |  |
| **Insertion** |  |
| **Tendon** |  |
| **Synergist** |  |
| **Fixator** |  |
| **Muscle Tone** |  |