

Review Questions

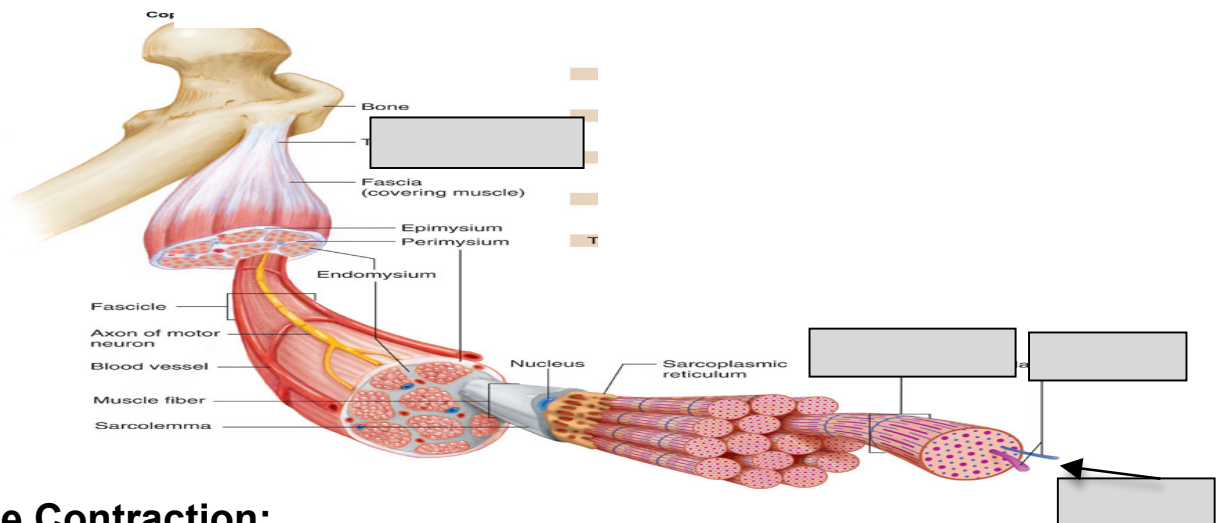
1. Why do you shake when your arms get tired (muscle fatigue)?

2. Muscle Filaments

Muscle Filaments:	_____	_____
Draw (Label)		
Function		
What is the difference between the two?		

3. What are the different levels of muscle?

4. Be able to Label:



5. Muscle Contraction:

Role of Ca⁺⁺	
Steps	<p>1)</p> <p>2)</p> <p>3)</p> <p>4)</p>
What is needed for the cycle to repeat?	

6.2 Ways to Power a Muscle:

Name: _____	Name: _____
Pro:	Pro
Con	Con

Being chased by a bear, which would you likely use and why?

7. Why do muscles only pull?

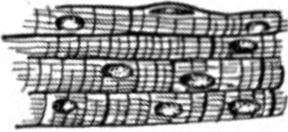
8. Why do muscles need to be paired?

9. Muscle connection:

How are muscle connected to bone?	
What is the origin?	
What is the insertion of a muscle?	

What is the action of a muscle?	
Role of the Prime mover	Ex: _____
Role of the Synergist	Ex: _____
Role of the Antagonist?	Ex: _____

10. Identify the 3 muscles types

Cardiac	Name: _____	Name: _____
Form		Form
Function	Function:	Function
Circle 1 or both Voluntary Involuntary	Circle 1 or both Voluntary Involuntary	Circle 1 or both Voluntary Involuntary
Location:	Location:	Lines organs and digestive system

11. Why doesn't your heart get tired over time?

12. Sphincter:

Muscle Type:	
Draw:	
Function:	
How does form connect to function?	

13. Peristalsis?

What is it?	
What muscle is it?	
What is its function?	

14. What role does electricity have in natural muscle contraction?

15. What role does electricity have in artificially induced muscle contraction?

16. Galvani's experiment (frog)

Explain Experiment:	
What did it establish?	

17. What are the 5 key milestones in human evolution?

1	
2	
3	
4	
5	

18. How does tooth changes ultimately affect symbolic thought?