Go her	e to	complete the worksheet (the link is also on my webpage):		
higher	ed.r	mheducation.com/sites/0073525707/student_view0/chapter9/sarcomere_shortening		
.html				
1.	L. When a muscle is relaxed, actin and myosin lie side by side and the			
	an	d are at maximum width.		
2.	2. When a muscle contracts, the actin and myosin myofilaments interact. The			
		slide towards the center of each As a result the		
	sar	comere will		
3.	3. When a muscle is fully contracted, the ends of the overlap, the			
		disappears and the becomes very narrow.		
Fill in t	he f	following questions based on pages 131 in your textbook.		
Skeleta	al M	luscle Contraction		
	1.	Muscle fibers are stimulated to contract by		
	2.	The connection from the motor neuron to the sarcolemma results in a small gap		
		called a synaptic cleft. The region itself where the connection between the neuron		
		and muscle fiber happens is called a		
	3.	The specific neurotransmitter chemical that is released into the synaptic cleft when		
		signaled is called This chemical helps		
		create a connection from the receptors to the sarcolemma.		

4.	Now, the sarcolemma generates signals that spread over the sarcolemma and down		
	thet	o the	
5.	Stored	is released from the sarcoplasmic	
	reticulum.		
6.	When the ions are released, it cause	es actin and myosin to slide past one another	
	resulting in muscle	·	