Class/Lab Activity #3 Physiology

Questions to Consider from the Plasma Membrane Lecture:

 List and briefly D 1) 	escribe the <u>4</u> roles	of the Plasma Memb ra	ne (with specific examples if possible):
2)			
3)			
4)			
2. With regard to Pa a) What are the 3 ga 1)			e? Give examples of their 'triggers'.
1)	2)	otein Carriers listed an 3)	d described in lecture?
3. With regard to S o What are two regio			g an enormous surface area for absorption?
Answers: The		and the	·
5. What the hormo	ne (and gland) that		what is the purpose of the Na ⁺ /K ⁺ pump? umber of Na ⁺ /K ⁺ pumps? Describe the effect consequence?
7. In terms of the 38. What are the 3 T1)2)3)	Tissue Compartmer issue Compartmen		
10. What's with Tra	nscapillary Fluid Dy	ynamics? How/why are	e HP and COP balanced in the capillary?
From Neurophysiol 11. Name the 2 "lor	•	I systems in the body:	and

12. Briefly describes how these two control systems in the body differ?
13. Semi-Philosophical Question: How is the Neuron the microcosm of the Nervous System reflex loop?
14. What is the point of talking about Equilibrium Potentials for Na ⁺ and K ⁺ ?
15. Draw an Action Potential for a Neuron on axis's below. Include all labels and values and phases, etc.
 16. List 6 ways that Graded Potentials are different from Action Potentials. 1) 2) 3) 4) 5) 6)
17. Philosophical Question: What are the purposes of Graded Potentials and Action Potentials?
18. In very simple terms, a graded potential is:19. Why is it not possible to trigger another AP during the absolute refractory period?
20. Why is it possible to trigger another AP during the relative refractory period?