The Nervous System II: Synaptic Transmission

1.	What channels in the presyna	ptic neuron open up in response to an action	
	potential?		
2.	The presence of what ion insi	de the cell causes the synaptic vesicles to	
	fuse with the membrane?		
3.	a. What is the name for the ch	nemicals stored in the synaptic vesicles?	
	b. What do these chemicals d	iffuse across?	
	c. Where do these chemicals	bind to receptors?	
4.	What type of gated channels do these chemicals open?		
5.	Name two ways these chemic	Name two ways these chemicals can be removed from the synaptic cleft.	
	a.		
	b.		
6.	The response on the postsynaptic cell depends on two factors:		
	a.		
	b.		
7.	Name the two types of cholinergic receptors and indicate where these are found.		
	Туре	Found	
		excitatory: inhibitory:	

α1			
α1			
β1			
β2			
Autonomic r	nerves innervate what three things?		
The most co	mmon excitatory neurotransmitter in the C	CNS is	
Two major inhibitory neurotransmitters in the CNS are:			
a.			
b.			
Name a drug that alters synaptic transmission in the following ways:			
a. blocks the action of the neurotransmitter at the postsynaptic membrane			
b. blocks the	e reuptake of the neurotransmitter at the pro	esynaptic membrane	
c. blocks the	release of the neurotransmitter	and	