

CNS



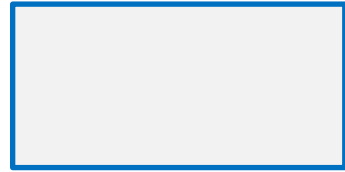
PNS

Descending info.

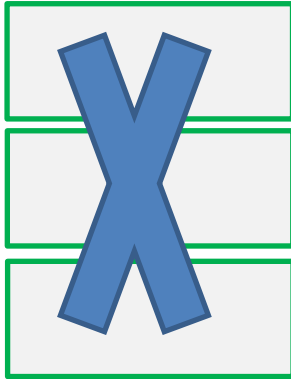


Voluntary Motor responses

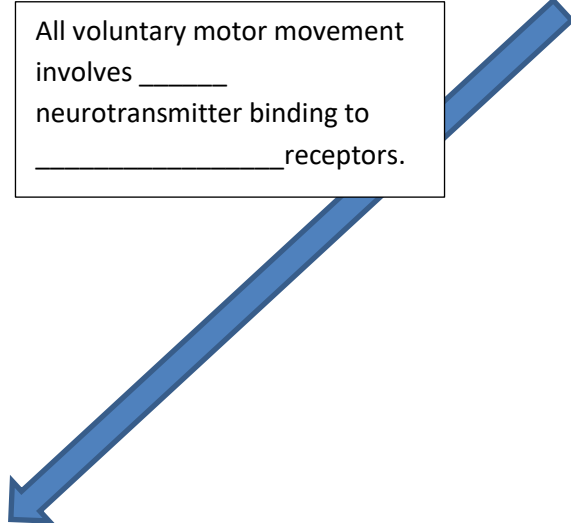
Involuntary Motor responses



Ascending info.



All voluntary motor movement involves \_\_\_\_\_ neurotransmitter binding to \_\_\_\_\_ receptors.



**Parasympathetic Motor responses**

~~\_\_\_\_\_~~ nerves  
heart rate \_\_\_\_\_  
BP \_\_\_\_\_  
bronchioles \_\_\_\_\_  
GI peristalsis \_\_\_\_\_  
GI secretions \_\_\_\_\_  
GI arterioles \_\_\_\_\_

~~\_\_\_\_\_~~ nerves  
urination \_\_\_\_\_  
defecation \_\_\_\_\_

All parasympathetic motor responses work by \_\_\_\_\_ neurotransmitter binding to \_\_\_\_\_ receptors.

**Sympathetic Motor responses**

~~\_\_\_\_\_~~ nerve  
heart \_\_\_\_\_  
BP \_\_\_\_\_  
bronchioles \_\_\_\_\_  
GI peristalsis \_\_\_\_\_  
GI secretions \_\_\_\_\_  
GI arterioles \_\_\_\_\_  
skeletal m \_\_\_\_\_

~~\_\_\_\_\_~~ nerve  
urina \_\_\_\_\_  
defecati \_\_\_\_\_

All sympathetic motor responses work by \_\_\_\_\_ neurotransmitter binding to what 3 types of adrenergic receptors?  
\_\_\_\_\_ - \_\_\_\_\_ controls what?  
\_\_\_\_\_ - \_\_\_\_\_ controls what?  
\_\_\_\_\_ - \_\_\_\_\_ controls what?