1. Your **autonomic system** is the branch of your ____________ ________________ that regulates the functions of your ________________, like your heart and stomach, and also controls your smooth and cardiac muscles, and your glands.
   
   a. Its ______________ on your organs and muscles and glands are by ________________.

   b. How does your **sympathetic nervous system** differ from your **parasympathetic nervous system**?

   i. The sympathetic nervous system is the hardware behind the famous “______________________________” response. It is synonymous with ________________.

   ii. The parasympathetic nervous system is for “______________________________”. It’s responsible for maintaining your body and ________________ for later.

   iii. How do the nerves of these two divisions originate at different sites in your body?

   iv. Another difference between these two foils is their ________________. Both parts of your autonomic system require ________________ in order to work.

   1. Their neurons themselves have slightly ________________, namely the ________________.

   2. The axon lengths of the neurons before the ganglion are called the ________________, and the ones coming out are ________________.

   3. The ________________ of each of these systems is related to its ________________.

   4. The sympathetic nervous system is set up in such a way that even a small ________________ sent down one path could trigger a response in ________________.