MENINGES
1. Describe the three layers of meninges. What is the difference between the meninges covering the brain and the meninges covering the spinal cord? What is contained in the subarachnoid space? What and where are the ventricles in the brain. What is the circulation path of the cerebrospinal fluid from its formation to its drainage. Define hydrocephalus.

CRANIAL NERVES
2. List each cranial nerve. For each pair define it as mixed or sensory, and describe the area it serves. Which of the cranial nerves contain autonomic fibers? What do those autonomic fibers innervate? Identify the origin of each nerve on the brain.

SPINAL CORD
3. Name and identify the external features of the spinal cord, what is the functional significance of each?
4. Draw or label a drawing of the cross section of a spinal cord. Describe the functions of the regions of the cord. ID the motor regions and the sensory regions.

SPINAL NERVES
5. Identify the anterior and posterior nerve roots and the dorsal root ganglion. What is the significance of these structures.
6. How many spinal nerves are there in each section of the cord. Where do they come out of the protection of the vertebrae? Track the spinal nerves as they branch into dorsal and ventral rami, and the rami communicantes. What do these different branches serve?
7. How are the sensory portions of the spinal nerves mapped on the surface of the body?
8. List the plexuses that arise from the ventral rami of the spinal nerves. For each one, identify what they serve, the major terminal nerves and what those serve.

AUTONOMIC NERVOUS SYSTEM (ANS)
9. Make a table that discusses the differences and similarities between the somatic nerves and the autonomic nerves.
10. Make a table that discusses the similarities and differences between the sympathetic and parasympathetic divisions of the ANS. Trace those pathways on a figure of these divisions.