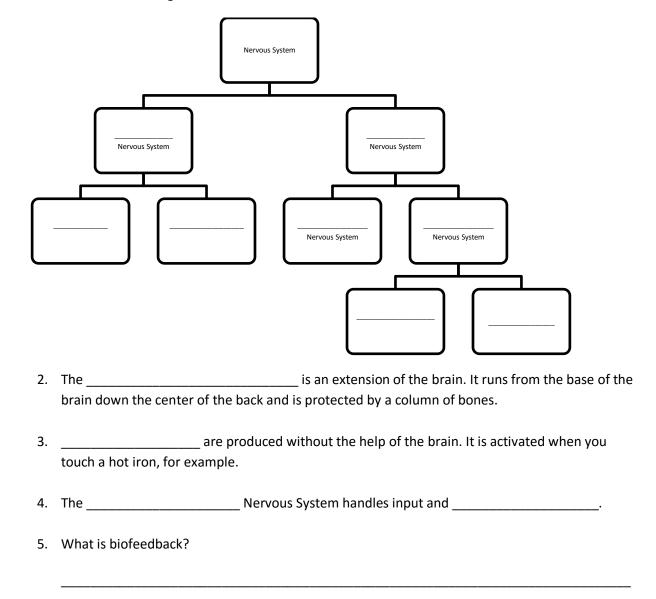
## **Nervous System Worksheet**

1. Fill in the following flowchart:



- 6. The \_\_\_\_\_\_ system kicks the body into gear while the \_\_\_\_\_ system slows the body and enables conservation of energy.
- 7. The communication specialists of the brain are called \_\_\_\_\_\_.

8.	In the PNS fibers of individual are collected in bundles called
9.	The PNS has how many pairs of nerves?
10.	PNS nerve pairs are distributed along the body. Describe their distribution.
11.	Label the following structure:
	Sopreed boel
12.	The Myelin Sheath serves as an that increases
13.	The Myelin Sheath is formed by cells.
14.	The gaps that interrupt the Myelin Sheath are called of
15.	An example of a demyelinating disease is
16.	Neurons communicate through an process.
17.	Define neurogenesis:

19. Glial Cel	Is provide the following functions:	
	i	
	ii	
	iii	
	iv	
20 Doscribo	e one suggested role of glial cells using Einstein as an example.	
zu. Describe	one suggested role of gilal cells using Einstein as an example.	
21. The gan	hetween two neurons is called the	
	between two neurons is called the	
21. The gap		

25. Descri	be the process by which neurons communicate. Use the following diagram to help y
26. Neuro	otransmitters can be found in the,,,

28. Below are some common neurotransmitters. State some functions of each. Neurotransmitter **Function** Serotonin Dopamine Acetylcholine Norepinephrine Gamma-Aminobutyric Acid (GABBA)' Glutamate 29. Dan was being chased by a wild animal. He ran through the bush and was cut by thorns while he was running. However, Dan didn't feel the cuts or realize he was cut until he got to safety. Explain why Dan may not have felt the cuts. 30. The following hormones have important implications for our bodies. For each one state what organ produces the hormone and give its function. Name the 3 main sex hormones. Hormone Produced by: **Function** Melatonin Oxytocin Adrenal Hormones Sex Hormones: