## **Central Nervous System**

1.	What are the 4 regions of the adult brain?		
	a.		
	b.		
	C.		
	d.		
2.	What c	onnects the cerebral hemispheres	
3.	What is	responsible for consciousness and higher order thinking?	
4.	What a	re the 3 paired gray-matter structures of the diencephalon?	
	a.		
	b.		
	C.		
5.	What is	s the function of the thalamus?	
6.	Where is the hypothalamus located?		
7.	What division of the nervous system does the hypothalamus control		
8.	What "s	system" is responsible for emotions like fear, rage, pleasure	
9.	Which portion of the diencephalon contains the pineal body		
10	What a	re the 3 regions of the brain stem	

a
b
C
11. What 2 parts does the midbrain consist of?
12. What is the reticular formation's function?
13. The medulla is an reflex center
14. What are the functional groups of the medulla?
a center- in charge of rate of heart contraction and can adjust
blood vessel diameter for blood pressure regulation
b center- generates respiratory rhythm
c. Other centers like vomiting, hiccupping, swallowing, coughing, and sneezing
15. What are the functions of the cerebellum?
16 covers and protects the CNS as well as the blood vessels
17. From external to internal, what are the layers of the above structure
a mater
b mater
c mater

18. \	hat is a homeostatic imbalance where the meninges would be inflamed
19. <sub>-</sub>	functions to cushion parts of the CNS
1	om blows and other trauma, as well as nourish the brain
20. \	hat is a homeostatic imbalance where an obstruction blocks CSF circulation or
(	rainage, resulting in increased pressure
21. <sub>-</sub>	barrier helps maintain a stable environmen
1	or the brain
22. <sup>-</sup>	/F The above barrier is absolute
23. \	/hat are the 5 components of a reflex arc
	a receives stimulus
	b neurons- transmits afferent impulse to CNS
	c the processing center
	d neuron- conducts efferent impulse to the effector
	e body part being stimulated
24. \	/hich reflex has only 1 synapse, therefore there are no association neurons, thus no
i	tegration or "control"?

25. Which reflex involves integration and therefore the potential or over-riding the automatic motor response?

## **Peripheral Nervous System**

- 1. What must happen for sensation to occur?
- 2. What is energy of stimulus is converted into graded potential called generator potential or receptor potential called?
- 3. What is a change in sensitivity in presence of constant stimulus called?