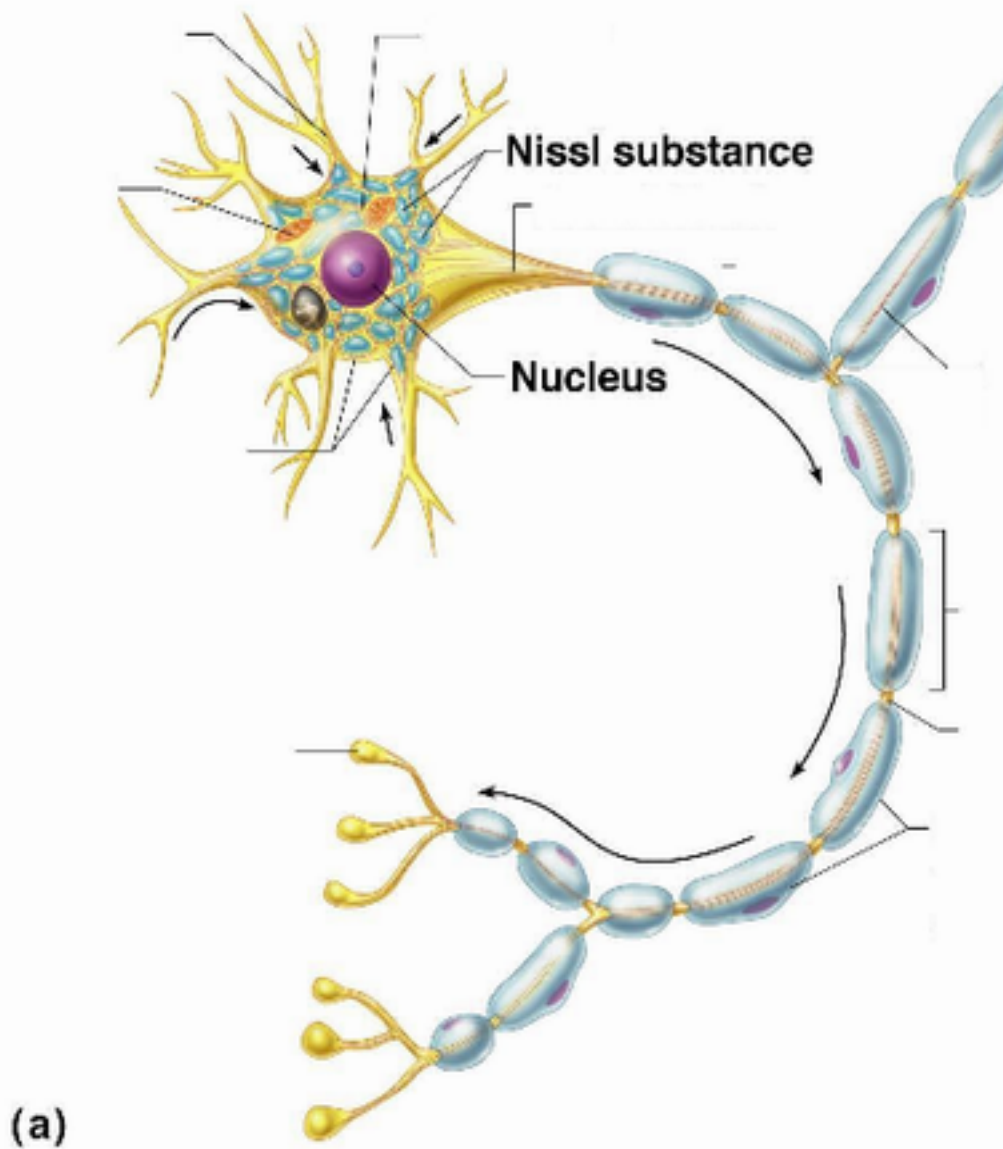


Nervous System WS 2

Read pages 232-234 and answer the following questions.

1. What is the name of the cell in the picture below?



Copyright © 2009 Pearson Education, Inc., publishing as Pearson Benjamin Cummings.

2. Label all the parts of the cell.
3. What happens in the cell body?
4. What organelle is the cell body missing and why?
5. What do neurofibrils do for the cell body?

6. What do the processes of the nerve cell do?
7. What size are nerve cell processes?
8. Processes that carry impulses toward the cell body are called _____.
9. Processes that carry impulses away from the cell body are called _____.
10. How many dendrites might a nerve cell have?
11. How many axons?
12. The axon eventually branches off into hundreds of _____.
13. What happens when a nerve impulse reaches the end of the axon?
14. The gap between one nerve cell and the next is called a _____.
15. What is the purpose of a myelin sheath?
16. What does a Schwann cell do?
17. What is a neurilemma?
18. Why are there gaps in the myelin sheath? What are those gaps called?

19. What myelinates the nerve fibers of the CNS?

20. What role does the neurilemma play that is important to the PNS?

22. What is multiple sclerosis?