

## Spinal Cord, Spinal Nerves, and the Autonomic Nervous System

### Anatomy of the Spinal Cord

1. Match each anatomical view to the type of the corresponding feature.

Key: a. medulla oblongata    b. spinal cord    c. the meninges    d. brainstem

- \_\_\_\_\_ 1. most superior boundary of the spinal cord
- \_\_\_\_\_ 2. ventral posterior boundary of the spinal cord
- \_\_\_\_\_ 3. spinal cord nucleus
- \_\_\_\_\_ 4. collection of spinal nerves extending to the ventral rootlets from neurons of the spinal cord

2. Match the key structures to the diagram using the following codes.

- |                                      |                                       |  |
|--------------------------------------|---------------------------------------|--|
| _____ 1. medulla oblongata           | _____ 11. spinal root of spinal nerve | _____ 21. epineurium                   |
| _____ 2. spinal cord                 | _____ 12. brainstem                   | _____ 22. dorsal root of spinal nerve  |
| _____ 3. dura mater                  | _____ 13. brainstem                   | _____ 23. dorsal root ganglion         |
| _____ 4. arachnoid mater             | _____ 14. spinal nerve                | _____ 24. ventral root of spinal nerve |
| _____ 5. pia mater                   | _____ 15. spinal nerve                | _____ 25. ventral root ganglion        |
| _____ 6. spinal root of spinal nerve | _____ 16. spinal nerve                | _____ 26. spinal nerve                 |
| _____ 7. dorsal root of spinal nerve | _____ 17. spinal nerve                |  |
| _____ 8. spinal nerve                | _____ 18. spinal nerve                |  |
| _____ 9. spinal nerve                | _____ 19. spinal nerve                |  |
| _____ 10. spinal nerve               | _____ 20. spinal nerve                |  |

