**The Nervous System- Bobby Pedersen, Rainer Sainvil, and Kevin Daly**

Fill in The Blank

1. The Nervous System controls an animals \_\_\_\_\_\_\_\_\_\_\_.
2. The messages sent by the nervous system are sent by \_\_\_\_\_\_\_\_\_\_\_\_.
3. Three examples of the stimulus the body responds to are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. The main organs of the human nervous system are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. Four of the parts of the human nervous system are\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. Sea urchins contain a \_\_\_\_\_\_\_\_\_\_\_\_\_\_ around their mouth.
7. Star fish have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on the ends of their limbs that help them sense light and movement.
8. Echinoderms lack a brain but have a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to make up for it around their mouth.
9. Platyhelminthes are primarily \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with bilateral symmetry.
10. All Platyhelminthes have at least one \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ running the length of their body.
11. Platyhelminthes have a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or simplified brain.
12. The Nervous System of Nematoda have four \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nerves that stretch through the body.
13. Which phylum does not have a nervous system? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. What type of animals are included in the porifera phylum? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. What animals are included in the chordate phylum?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. What animals are included in the cnidarian phylum? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. What body parts are in a human’s central nervous system? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
18. What body parts are in a human’s peripheral nervous system? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
19. Where is a jellyfish’s nervous system located? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
20. Do sponges have brains? \_\_\_\_\_\_\_\_\_\_\_\_
21. Do chordates have brains? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
22. Do jellyfish have brains? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
23. How do sponges move? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
24. Why does your nervous system work? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
25. Name all the parts of your nervous system. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
26. Name all the part of a sponge’s nervous system. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
27. Name all the parts of a jellyfish’s nervous system. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
28. Name the animals in the Arthropoda phylum. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
29. Name the animals in the Annelida phylum.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
30. Name the animals in the Mollusca phylum. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
31. How many parts does a cockroach’s nervous system contain? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
32. What is a ventral nerve cord in a cockroach? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
33. What is an octopus closely related to? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
34. What is the primary use of an octopus’s nervous system? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
35. What system contains giants nerve fibers? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
36. The whipworm has \_\_\_\_\_\_\_\_\_\_\_\_ peripheral nerves running the length of their body.
37. The \_\_\_\_\_\_\_\_\_\_\_\_ ring of the sea urchin is located around the spines.
38. Nematodes are surrounded by \_\_\_\_\_\_\_\_\_\_\_ to aid in the sense of touch.
39. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ carry messages for the Nervous System.
40. The \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_ cord of the human nervous system are the main organs of the system.
41. The brain is part of the \_\_\_\_\_\_\_\_\_\_\_\_\_ nervous system.
42. The \_\_\_\_\_\_\_\_\_\_\_ is part of the central nervous system.
43. The nervous system is centered in the \_\_\_\_\_\_\_\_\_\_ for humans.
44. Platyhelminthes have at least one nerve cord running the length of their body. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
45. A \_\_\_\_\_\_\_\_\_\_\_\_\_ can be found in a neuron cell.
46. Starfish \_\_\_\_\_\_\_\_\_\_\_\_\_ control their own actions.
47. The pinworm is a free-living organism, not a \_\_\_\_\_\_\_\_\_\_.
48. – 54. Label the dendrites, nucleus, axon endings, axon, cell body, and myelin sheath on the following (Only label 6)

