Nervous System Worksheet

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Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Multiple Choice

1) The phylum Porifera consists mainly of

a. Snakes

b. Sponges

c. Fruits

d. Flatworms

2) The Yellow Boring Sponge lives in

a. Southern England

b. The Bahamas

c. The Atlantic

d. All of the above

3) Demospongiae includes what percentage of sponge species?

a. 0.00121%

b. 90%

c. 55%

d. 75%

True or False

4) Glass sponges are a group of sponges that have a skeleton made of thin, fragile silica.

5) The Phylum Cnidaria includes such diverse forms as jellyfish, hydra, sea anemones, corals, and sharks.

6) Sea Anemones have primitive nervous systems, without a central point in the connection.

7) Jellyfish have a basic polyp body structure.

8) Corals grow but leaking out a acid buildup in their pores.

9) Flatworms can reproduce both sexually and asexually and most have developed a way of not self-fertilizing.

10) Planeria nervous system consists of ganglia under the anus and a cord of nerves that run down the tongue.

Fill In The Blanks

11) Nematodes (or roundworms) are \_\_\_\_\_\_\_\_\_\_\_ symmetrical.

12) Panaria are mostly small, \_\_\_\_\_\_\_\_\_ animals that live in fresh water.

13) Fluke, also called \_\_\_\_\_\_\_\_\_\_\_, is a group of parasitic flatworms

14) Tapeworms are mostly parasitic flatworms that live in the intestines of \_\_\_\_\_\_\_\_\_\_\_.

15) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are nematodes that can infect people or animals.

16) Hookworms also contain the \_\_\_\_\_\_\_\_\_\_\_\_trait of nervous systems.

17) \_\_\_\_\_\_\_\_\_\_\_ (also known as pinworms) are a very common infectious worm

18) Annelids have evolved into having \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ organs.

19) Most \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ have a nervous system that is sensitive.

20) Leeches are segmented worms that are in the phylum \_\_\_\_\_\_\_\_\_\_\_\_\_.

21) A ragworms nervous system consists of a that is connected to the ventral\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and the sub \_\_\_\_\_\_\_\_, by a special set of nerves called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

24) All arthropods have segmented bodies divided into a \_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

27) The spider's central nervous system is made up of two relatively simple \_\_\_\_\_\_\_\_\_, or nerve cell clusters, connected to \_\_\_\_\_\_\_\_\_\_\_\_\_ leading to the spiders various muscles and systems.

29) Crabs have a massive amount of ganglia, which can also be identified as the \_\_\_\_\_\_\_\_\_\_\_\_\_.

30) The outside layer of a millipedes shell is made up of dead cells and is hardened with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ crystals.

31) \_\_\_\_\_\_\_\_\_\_\_\_\_\_ which includes all mammals, birds, amphibians, reptiles, and fish

32) There are about \_\_\_\_\_\_\_\_\_ species of chordates

33) Chordates share common characteristics. The first characteristic is a­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nerve cord

34) Like mammals, toucans have a ­­­\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_

37) To control instinctive behaviors like: \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

True or False

40) A frogs central nervous system is made up of two organs, a brain and a spinal cord

41) The brain consists of a pair of capital condyles and is divided into three parts- the fore brain, mid brain, and the main brain.

42) Fore-Brain Consists of olfactory lobes, a pair of cerebral hemispheres and unpaired diencephalon. The olfactory controls the frog's sense of smell.

43) Mid-Brain contains a pair of optic lobes used in vision

44) Hind-Brain Consists of cerebellum that maintains the balance of the frog and its equilibrium. Modula helps in the regulation of respiration and reproduction

45) Hippos can grow to 15 feet in length, 5 feet in height to the shoulder, and weigh from 3-5 tons.

46) The Hippopotamus is usually a grayish brown color to a muddy brown color; and sometimes they have a yellowish tint to them.

47) Hippos have no sweat glands

48) Hippos have a central nervous system containing a brain and a spinal cord

49) Hippos have white and gray brain matter. The white contains the nerve cell bodies and the gray the fibers

50) Sea cucumber reproduces sexually or asexually, releasing sperm and egg cells into the water