Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Worksheet on NervousBiology.weebly.com**

1. In which class are squids?

a) cestoda

b) cephalopods

c) turbellaria

d) asteroidea

2. What is not part of the Earthworm's nervous system?

a) Intestine

b) nerve collar

c) gizzard

d) brain

3. What term best describes the Earthworm's eating patterns?

a) carnivore

b) herbivore

c) dirt-eater

d) decomposer

4. What are the 5 embryonic lineages of the Leech?

a) A B C D E

b) M N O P Q

c) V W X Y Z

d) A T G C U

5. What subclass do Leeches belong to?

a) Mammalia

b) Megadrilacea

c) Hirudinea

d) Teuthida

6. Where do most Ragworms live?

a) Forests

b) Deserts

c) Holes Underground

d) Marine Environments

7. Where is the Ragworm's brain located?

a) Prostomium

b) Parapodia

c) Cranium

d) Ganglia

8. Where are almost all of the CNS structures of the Black Widow Spider Found?

a) Abdomen

b) Thorax

c) Cephalothorax

d) Supraoesophageal Ganglion

9. What is the most important function of the Black Widow's brain?

a) to hunt for food

b) to process sensory information

c) to search for a mate

d) to focus on survival

10. What is the Monarch Butterfly most famous for?

a) its pretty colors

b) its mating dance

c) its migration

d) its exhibit at the Bronx Zoo

11. What is the center of the Monarch's nervous system?

a) peripheral nervous system (PNS)

b) ventral nerve cord

c) heart

d) sub-esophageal ganglion

12. What class are Scorpions in?

a) Arachnida

b) Insecta

c) Scorpiones

d) Arthropoda

13. What does not connect sensory organs to the brain? (Scorpion)

a) neurons

b) nerves

c) nerve cords

d) stem cells

14. How developed are Banana Slugs compared to us?

a) Severely Underdeveloped

b) Extremely Advanced

c) Only a bit less

d) None of the Above

15. What is considered to be a primitive brain in Banana Slugs?

a) muscles

b) spinal cord

c) central ganglia

d) nerve cord

16. What name describes Shelled Snails living in water?

a) Gastropoda

b) Mollusca

c) Arthropoda

d) Gary the Snail

17. What are the cell bodies in Snails called?

a) ganglia

b) pericarya

c) giant axons

d) cellus corpus

18. What do cephalopods not use their highly developed intelligence for?

a) communication

b) predatory techniques

c) navigational techniques

d) mating techniques

19. What order do squids belong to?

a) Cephalopoda

b) Teuthida

c) Mollusca

d) Animalia

20. What is a symptom of being infected with echinostoma revolutum?

a) Sweating

b) Runny Nose

c)Jaundice

d) Diarrhea

21. Although there are 2 main nervous system parts in a human which is the most important?

a) Peripheral nervous system

b) Eyes

c) heart

d) Central Nervous System

22. The central nervous system contains which 2 main parts of our body?

a) lungs

b) heart and spinal cord

c) eyes

d) kidney

23. How do otters make up for their poor sense of sight?

a) great sense of smell

b) sense of surrounding with their nerves

c) agility in the water

d) great use of lungs in the water when diving

24. What is important about the Tiger’s everyday life?

a) eyes

b) teeth

c) spinal cord

d) agility

25. What helps anemones feel their surroundings?

a) their arms

b) sensory cells which are also nerve nets

c) their legs

d) the sea floor

26. Which two animals in the Cnidaria group have the same nervous system?

a) tiger and otter

b) coral and anemone

c) sponges and coral

d) humans and jellyfish

27. Where is the jellyfish’s nerve net located?

a) near the tentacles

b) mouth

c) epidermis

d) Mesoglea

28. True or False. If false, change the underlined words or phrase to fit the answer

Porifera have a very complex nervous system they contain a brain and a advanced nerve net.

29. Where is the main nerve center of the cestoda?

a) Ganglex

b) Scolex

c) Genital Pores

d) Anus

30. Gastrotrichs are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

a) Annelida

b) Cnidaria

c) Nematoda

d) Porifera

31. Where is the large clump of nervous tissue which acts as the brain for the rhabditis terracolae?

a) Front

b) Back

c) Top

d) Bottom

32. What does ocelli (hint: Persian carpet flatworms have these) mean in Latin?

a) Sensory Organs

b) Light Sensors

c) Little Eyes

d) Little Ears

33. What is one of the main animals found in Porifera?

a)Sponges

b) tigers

c) The Human

d) Otter

34) How many main nerves does the sea urchin have?

a) Three

b) Five

c) Four

d) Two

35) True or False: The sea cucumber does not have a true brain.

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36. What is the Peripheral nervous systems job?

a) to control the brain

b) to maintain control of the spinal cord

c) the nerves that carry impulses to and from the central nervous system

d) control the closing and opening of our eyes

37) True or False: Nematomorpha do not have a nerve around their anterior end.

38. Is it possible for some sponges to move across the ocean?

a) Yes, but very unlikely.

b) No, they don’t take any action at all.

39.What does a gastrotrich’s brain consist of?

a) A clump of nervous tissue

b) Nothing; there is no brain

c) One ganglia

d) Two ganglia

40) True or False: Starfish have a brain. \_\_\_\_\_\_\_\_\_\_\_

41. What is a nerve net?

a) a bunch of compiled nerves

b) nothing, they don’t exist

c) A net which helps catch broken nerve cells

42) How many muscles do nematomorpha have?

a) 1

b) 62

c) 33

d) 12

43) True or False: Sea cucumbers do not have sensory organs.

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44. Cnidarians have a spinal cord. True or False?

If false, write down the most reasonable answer

45. What do statocysts do?

a) Detect light

b) Alert the animal to predators

c) Help the animal maintain balance

d) Keep the animal hydrated

46. What do sponges mostly rely on?

a) They rely mostly on water and oxygen intake, waste removal, and digestion as their only needs.

b) They rely on nothing more than their nerves to survive.

47) Where does the sea urchin’s large nerve ring center around?

a) Head

b) Mouth

c) Anus

d) Spikes

48) There are a large amount of nerve endings by the cestoda’s.....

a) Mouth

b) Scolex

c) Ganglia

d) Genital Pores

49) Sea cucumbers are:

a) Porifera

b) Mollusca

c) Platyhelmintes

d) Echinodermata

50) True or False: The Echinostoma Revolutum is a parasite.