

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

Date: \_\_\_\_\_

## CVAK Worksheet

Now that you've visited our site, feel free to use this worksheet to test your knowledge!

### Multiple Choice

1. The Cardiovascular/Circulatory system deals with :

A) Heart & blood vessels B) Lungs C) Bones D) Nerves

2. What phylum does the Great Barrel Sponge Belong to?

A) Nematoda B) Chordata C) Porifera D) Mollusca

3. What phylum mainly contains parasites like roundworms and ringworms?

A) Porifera B) Nematoda C) Chordata D) Annelida

4. Which of these animals uses diffusion

as its form of a circulatory system?

A) *Procyon fluvialis* B) Yellow Tube Sponges C) *Ascaris lumbricoides* D) Pond Snails

5. Something is classified as an animal for all reasons EXCEPT:

A) It is multicellular. B) It is a heterotroph (it gets energy by consuming other organisms). C) It reproduces sexually. D) It reproduces asexually.

6. Blood vessels in our body are similar to:

A) Pipes B) Wires C) Wrenches D) Bolts

7. How many species of the Nematoda phylum are there?

A) 20,000 B) 80,000 C) 50,000 D) 30,000

8. Do parasites have cardiovascular systems?

A) Yes B) No C) Maybe D) I don't know

9. Species of sponges like the Yellow Tube Sponge moves nutrients around internally through the process of:

A) Diffusion B) Photosynthesis C) Fission D) Jesus

10. Diphyllbothrium latum typically infects \_\_\_ before spreading to humans:

A) Sharks B) Eels C) Fish D) Blue Whales

Fill in the Blank

1. A Blue Ringed octopus has \_\_\_\_\_ hearts.

2. Bubble Tip Anemone have a symbiotic relationship with \_\_\_\_\_ that improves their circulation.

3. Pond Snails have a pericardium, better known as a “\_\_\_\_\_”.

4. The major organs of the Mollusca Phylum are contained in the \_\_\_\_\_.

5. The 2 major arteries of the American Bullfrog are the truncos arteriosus and \_\_\_\_\_.

6. The process through which Bottlenose Dolphins’ cardiovascular system regulates their body temperature is known as \_\_\_\_\_.

7. Quahog Clams have an \_\_\_\_\_ cardiovascular system.

8. Box jellyfish are comprised mainly of \_\_\_\_\_, which is why they lack real organs.

9. Lettuce Coral live symbiotically with algae known as \_\_\_\_\_.

10. A Bengal tiger’s heart has \_\_\_\_\_ chambers.

11. Bubble Tip Anemone and Lettuce Coral have \_\_\_\_\_ systems instead of cardiovascular systems.

12. The mixture of blood and lymphatic fluid in a pond snail is known as \_\_\_\_\_.

13. Box jellyfish take in oxygen without blood through the process of \_\_\_\_\_.

14. Blue Ringed Octopus blood is blue due to the proteins known as \_\_\_\_\_.

15. The cardiovascular system of a Bengal tiger is a \_\_\_\_\_, closed system.

16. The body temperature of a dolphin is regulated by arteries and veins located in their \_\_\_\_\_.

17. The blood of a Quahog clam fills up spaces known as \_\_\_\_\_ after it has washed over organs.

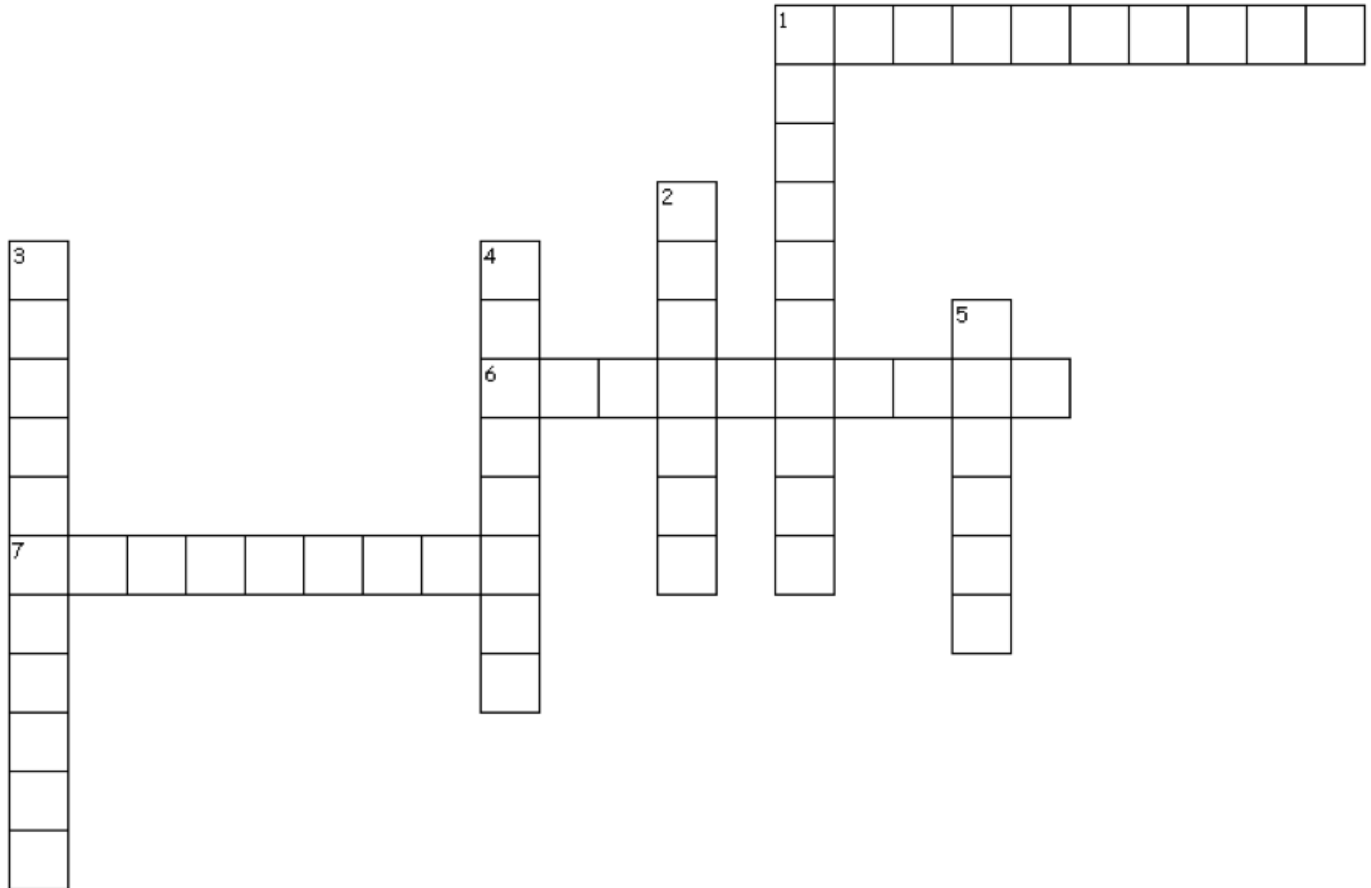
True and False:

1. \_\_\_ There are 9 phylums under the Animals kingdom.
2. \_\_\_ Giant Barrel Sponges have a blood based circulatory system.
3. \_\_\_ Nematodes can only occur in warm and moist environments.
4. \_\_\_ The *Procytonotus fluviatilis* is a herbivore.
5. \_\_\_ Dissolved gases enter and leave cells in the *Agelas conifera* through a process called transfission.
6. \_\_\_ *Helicotylenchus multicinctus* is the most common species under the phylum Nematoda
7. \_\_\_ *Ditylenchus dipsaci* is commonly known to infect humans more than animals.

AZFGAPHYLUMADADRZTAOPAS PONGESAN  
PORIFERADPARASIT EFMZARPASPAFZAO  
ARQIFADPARRZACCADZ ZXMI RLOPASZRA  
BWELLOARAAXMAZXCLBAMAUACAGLAZRF  
LRQIFADPARRZACCADZ ZXMI RLOPASZRA  
OWZLLOARAAXMAZXCLBAMAUACAGLAZRF  
ORQIFADPARRZACCADZ ZXMI RLOPASZRA  
DZFGAPHYLUMADADRZTAOPAS PONGESAN  
VRQIFADPARRZACCADANIMALSOPASZRA  
ERQIFADPARRZNEMATODAMI RLOPASZRA  
SWEZLTARAAXMAZXCLBAMAUACAGLAZRF  
SZFGRPHYLUMADADRZTAOPASAR LAZX AN  
ERQA FADPARRZNCCADZZXMI RLOPASZRA  
LZEGAPHYLUMADADRZTAOPAS PONGESAN  
SHEZLOARAAXMAZXCLBAMAUACAGLAZRF

1. Animals
2. Sponges
3. Parasite
4. Heart
5. Blood Vessels
6. Nematoda

## Crossword Puzzle



### Across

1. protein used by vertebrates to transport oxygen throughout the body
6. Reflex \_\_\_\_\_ allows maine lobsters to release one of its appendages when threatened
7. \_\_\_\_\_ lantern is what slate pencil urchins use to eat

### Down

1. protein used by invertebrates to transport oxygen throughout the body
2. anticoagulant found in European Medicinal Leeches
3. blood sinus that holds the heart in place
4. supplies oxygen directly to the cells of the house centipede, keeping the house centipede's blood

colorless.

5. fluid filled cavity present in all Annelids

### Matching

- |   |                       |
|---|-----------------------|
| 1.) Arthropoda  | a.)Purple Sunstar     |
| 2.) Annelida  | b.)Maine Lobster      |
| 3.) Echinodermata   | c.)Red Earthworm      |
| 4.)Indian Red Scorpion's substitute for hemoglobin. ____                              | d). collar cells      |
| 5.) Interconnecting spaces that a Maine Lobster uses return blood to the heart. _____ | e). hemocyanin        |
| 6.) vessel in Leeches that goes through the esophagus ____                            | f) venous sinuses     |
| 7.) Component that circulates water in Agelas Conifera ____                           | g) pseudocoelom       |
| 8.)Component that has mineral transferring fluid in Ascaris Lumbricoides __           | h)dorsal blood vessel |

