**Cardiovascular Systems Worksheet**

1. What do the two smaller hearts in an octopus do?

1. Spread blood to the lungs
2. Pump blood to the gills
3. Pump blood to the brain
4. All of the above

2. How do most Platyhelminthes circulate nutrients throughout their bodies?

1. Through diffusion against a concentration gradient
2. By using their circulatory/cardiovascular system
3. Through the use of acquired traits
4. None of the above

3. About how many liters of blood does the cardiovascular system have in it at one time in the human body?

1. 2
2. 5
3. 10
4. 14

4. What type of circulatory system does the Giant Clam have?

1. Closed circulatory system
2. Complete circulatory system
3. Interrupted circulatory system
4. Open circulatory system

5. How do jellyfish get oxygen and nutrients?

1. Their circulatory system
2. They don’t need it
3. They use diffusion
4. They are born with enough in them

6. The Golden Tortoise Beetle has an open circulatory system and relies on what instead of blood.

1. Hemolymph
2. Hemoglobin
3. Oxygen
4. Water

7. Which of the following is not found in human blood?

1. Red blood cells
2. Liquid Plasma
3. Hemolymph
4. Platelet

8. What type of heart does a Yellow Banded Poison Dart frog have?

1. Four-chambered
2. Three-chambered
3. Two-chambered
4. Mono-chambered

9. Which organism causes the second most socioeconomically devastating disease next to malaria?

1. The Assassin Bug
2. The Blood Fluke
3. The Yellow Banded Poison Dart Frog
4. The Fire Sponge

10. Which animal has the same type of heart as the Peregrine Falcon?

1. The Peregrine Falcon
2. The Blue-Ringed Octopus
3. The Monarch Butterfly
4. The Golden Tortoise Beetle

**Short Answer**

11. Explain how Porifera replace the circulatory system.

12. Explain the cardiovascular system of the West Indian Sea Egg.

13. How does the Pork Tapeworm make up for not having a circulatory system?