Worm Review.

1. For each organ, provide a brief description of its function. Identify whether each organ is found in Flat worms, segmented worms, or both.

**Organ Function Found in.**

Setae.

Anus.

Clitellum.

Mouth.

Metameres.

Esophagus.

Cerebral Ganglion.

Crop.

Seminal Vesicle.

Pharynx.

Gizzard.

Dorsal Blood vessel.

Aortic arches.

Stomach.

2. List, in the correct order, the structures that food pass through in the earth worm’s digestive tract, starting with the mouth, ending with the anus.

3. Why do segmented worms have 5 aortic arches?

4. Which worm, flat of segmented exhibits the greatest complexity? Describe five reasons why.

5. List one advantage and one disadvantage of hemaphriditism.

6. Define cephalization. In which group of animals did it first appear? What did this allow them to do effectively?

7. How do flatworms transport oxygen and nutrients? Segmented worms?

8. Describe the difference between a taxis and a kinesis. How might the evolution of a nervous system and simple brain be involved in each of these behaviors?