

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

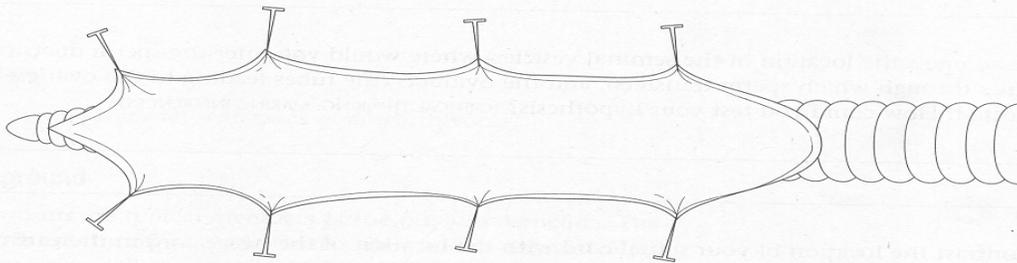
### Earthworm Dissection Write-up

#### External Drawing Earthworm

Label: Mouth, Anus, Metameres, Clitellum, Setae, Dorsal, Ventral, Anterior, Posterior

#### Internal Drawing Earthworm

Label: Pharynx, Esophagus, Septa, Hearts, Seminal Vesicles, Crop, Gizzard, Stomach, Intestine, ventral nerve cord, nephridia, Coelum



**Materials Needed:** Gloves, Dissecting Tray, Scissors, probe, 10-15 pins, an earthworm specimen

- Procedures:**
1. Use the diagram from the website to locate the external structures listed above.
  2. Use the scissors to snipe through the skin about  $\frac{1}{2}$  inch posterior to the clitellum on the dorsal surface. Be careful not too cut deep into the specimen damaging the internal organs.
  3. Stretch the worm in the dissecting tray and use a pin on the anterior end and posterior end to hold the specimen dorsal side up.
  4. Use the scissors to gently cut through the epidermis from the original cut on the dorsal surface anteriorly all the way up to the mouth.
  5. Use the probe to gently reach under the skin to break away the septa. This will allow you use the pins to open up the specimen as shown in the internal drawing box above.
  6. Use the diagram from the website to locate the internal structures listed above.
  7. Make the two colored pencil drawings listed above. Label everything listed!!

- Clean Up:**
1. Dispose of your specimen and tissue in the “Zip Lock” baggie provided.
  2. Return all pins to the box and rinse your scissors and probe and tray in the water provided. Dry ALL materials w/ paper towels provided.
  3. Wash your hands with soap and water!!