Earthworm Checklist: Identify the following structures/locations.

- Use lines provided for additional notes to aid in future identification
- Outside structures/locations/orientation
  - Clitellum (location): Noticeable belt/Band-Aid like section toward the anterior end of the earthworm; produces slime-tube/cocoon during reproduction
  - Anterior (closer to clitellum, thicker/larger circumference)
  - Posterior (greater distance from clitellum)
  - Mouth: Fold at anterior end, deposit feeder
  - Ventral (usually lighter in color, hair-like setae - feels like sandpaper)
  - Dorsal (usually darker in color)
  - Segmentation: Distinguished on the exterior by noticeable band-like rings; internally the segments are separated by septa
- Draw and label the earthworm (Label: clitellum, anterior, posterior, ventral, dorsal, segments, setae, mouth)
Inside structures/locations (closed circulatory system / complete digestion)

- Dorsal blood vessel: Movement of blood by pumping action

- Aortic arches: Often referred to as the heart, pressure regulation

- Seminal vesicles: Storage of sperm produced by the worm

- Seminal receptacles: Storage of sperm received from another worm

- Nerve cord: Tube-like structure found on ventral surface, usually white/cream in color, sensory function

- Pharynx: Swallows food (soil), muscular tube, connects mouth to esophagus

- Esophagus: Movement of food (soil) toward crop, lies below aortic arches

- Crop: Food storage, similar to the stomach of a vertebrate, thin walled

- Gizzard: Grinds food, thick walled, muscular

- Intestine: Food digestion and nutrient absorption
There are tiny hair-like structures on the segments called setae which aid in movement. Circular muscles are used to reduce the circumference of the earthworm, increasing the length of a section. The setae secure the section to the surroundings and then longitudinal muscles contract reducing the length of the earthworm. The segments move independently of each other resulting in the characteristic seesaw-like motion of the earthworm.

Draw and label the inside of the earthworm with the following structures:

- Gizzard
- Pharynx
- Intestine
- Esophagus
- Seminal vesicles
- Seminal receptacles
- Dorsal blood vessel
- Aortic arches
- Nerve cord
- Crop

Name: ____________________________