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https://www.anandmani.com/

Common indian varieties retima and Lumbri

Reproductive System (Hermaphrodite)

nale- 2pairs of testes (10th and 11th). -Vas differentia upto 18th segment. -ONE Pair of accessory gland in 17th and 19th Segments. -4 pairs of spermathecae in 6th - 9th Segments.

Female- 1 Pair of ovories at 12th intersegmental septa of and 13th. -Ovorian funnels beneath ovories. -Oviduct opens on 14th Segment as female genital pore.

iii) Compound

Sanamons

Protection against abrasion. - EPidermis of Skin. hair & oral

Nervous system

Represent by Ganglia.

Accessory Gland

sory Gland

- Ganglia arranged on ventral
- paired verve cord. - The bifurcated nerve cord joins the
- cerebral ganglia dorsally to from Nerve ring.
- cerebral ganglia commands muscular responses.

Respiratory System

- No specialized breathing organ system.
- Exchange occurs via moist body surface into blood Stream.

CLOSED CIRCULATORY SYSTEM

- has blood vessels, capillaries and heart.
- contraction helps blood circulation in one direction.
- Smaller blood vessels supply the gut, nerve cord & body wall.

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Blood glands in 4th 5th & 6th segment produce blood cells & hems globin.

EXCRETORY SYSTEM

Excretory organ - Nephridia

-Integumentary - attached to the living of body wall from 3rd to end.

-Septal - present on both sides of intersegmental septa of 15th to end.

-Pharyngeal as-3 paired tufts in 4th - 6th segments.

-Nephridia regulate volume and composition of body fluids

-They start as a funnel to connects excess fluid from coelomic chamber.

-Deliver body waste to body to body wall Surface through pore.

Sensory System

- No eyes but sensitive to light &
- touch. Chemoreceptors 7 for response to
- chemical Stimuli.
- Sense organs located on anterior Part of body

Digestive System

- 1- 3 Segment -> Terminal mouth opens in buccal cavity. MUSCULAR PLARYNX -> 5-7 Segment. Oesophagus -> 8-9 segment.
- Gizzard helps in grinding soil and
- decaying leaves.
- Stomach -> 9-14 Segment calciferous gland neutralizes humic acid IN FOWOS
- intestine -> 15- Last segment Open into ANUS.
- typhlosole -> Characterised by presence of internal medial fold of dorsal wall.

MORPHOLOGY (Covering of mouth)

Periplaneta Americano octurnal omnivores



Male Deproductive System Pain of testes at 4th-6th abdominal Segment -Genital Pouch has -1) Anus 2) Male genital Pore 3) Phallomere

ANDI SLYLE PRESENT

Female Reproductive System -Pain of ovories at 2th-6th abdominal Segment.

-Genital Pouch has -1)Female gonopore 2)Spermathecal pores 3)Collateral glands

ANAL SLYLE ADSENT.

Respiratory System

Trachea, divided into tracheoles Tracheoles carry oxygen to all body parts.

Trachea opens via spiracles.

Vascular System

OPEN LYPE

Blood.called Haemolymph has colorless plasma and haemocytes. -ALARY MUSCLES HELP IN CIRCULATION. -Heart is dorsal and 13 chambered.

Alimentary canal

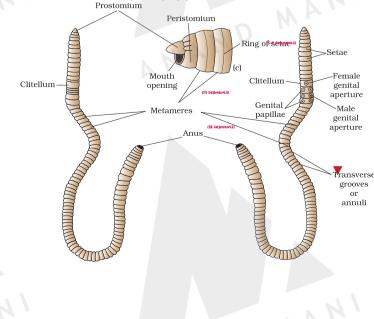
- -Divided into Foregut, midgut and hindgut.
- -Mouth opens into -> Pharynx -> Oesophagus -> Crop (food Storing
- region) 🗕 🔶 Gizzard, where grinding of food occurs -> Hepatic Caeca->
- Midgut -> Malpighian tubules -> Hindgut.
- -Hindgut is divided into ileum. Colon and rectum.
- -Rectum opens out through anus.

General Features

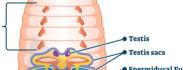


NAG) -Head has compound eye. Ocellus and antennae.

-Has mosaic vision for nocturnal vision







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REPRODUCTIVE SYSTEM

OF EARTHWORM