S. No.	Name of Experiment	Page No.	Date of Experiment	Date of Submission	Remarks
	dissection -				
	Major disease				
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	Prawn - alimentary Canal				
	Prawn - nervous system				
	Minor exercise				
	Pila - External features				
	Prawn - appendages				
	Permanent slide preparation				
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	Spots -				
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S. No.	Name of Experiment	Page No.	Date of Experiment	Date of Submission	Remarks
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	Leucosolenia				
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	Millipora				
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S. No.	Name of Experiment	Page No.	Date of Experiment	Date of Submission	Remarks
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	Octopus				
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	Echinodermata - Asterias				
	Antedon				

DISSECTION

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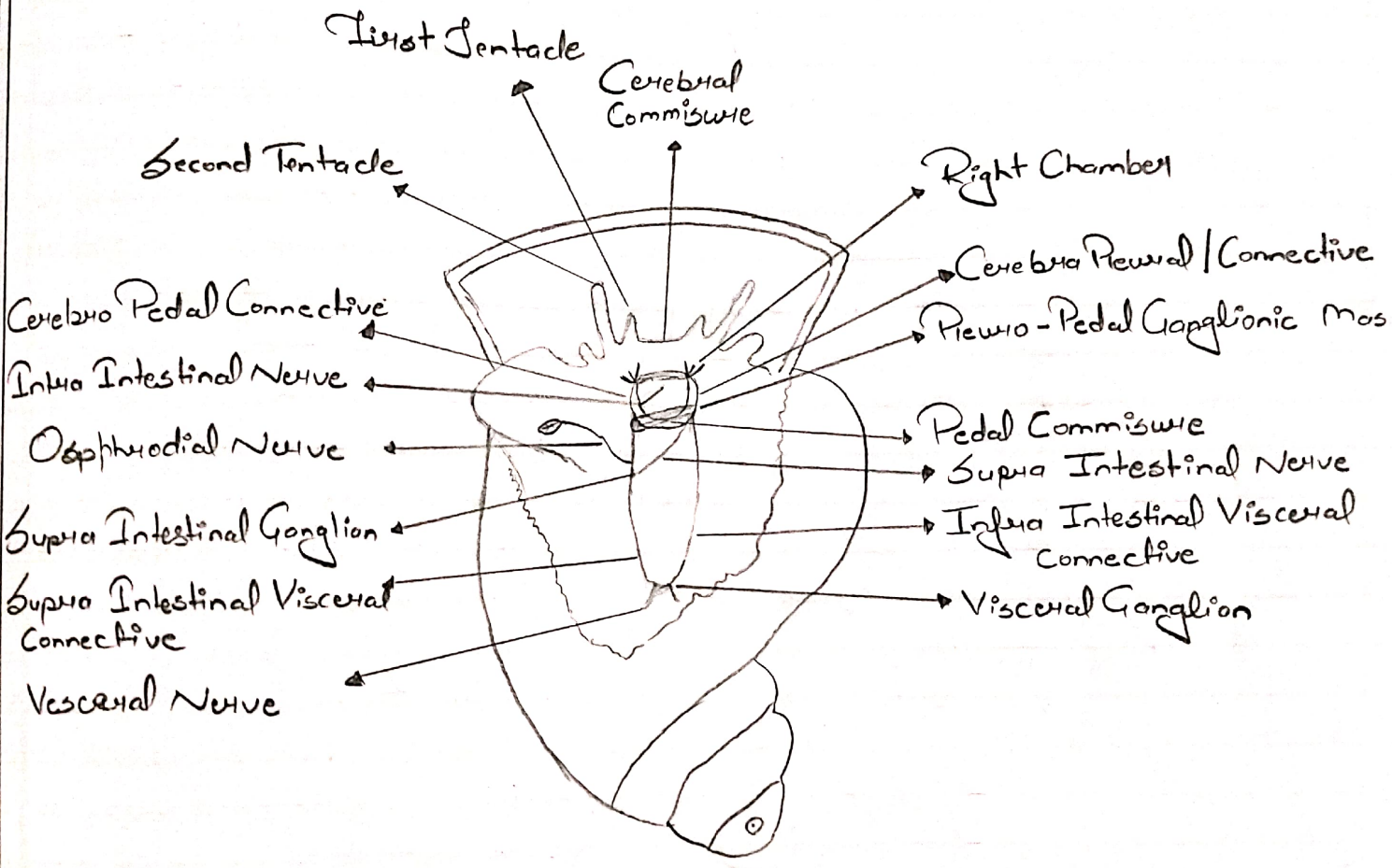
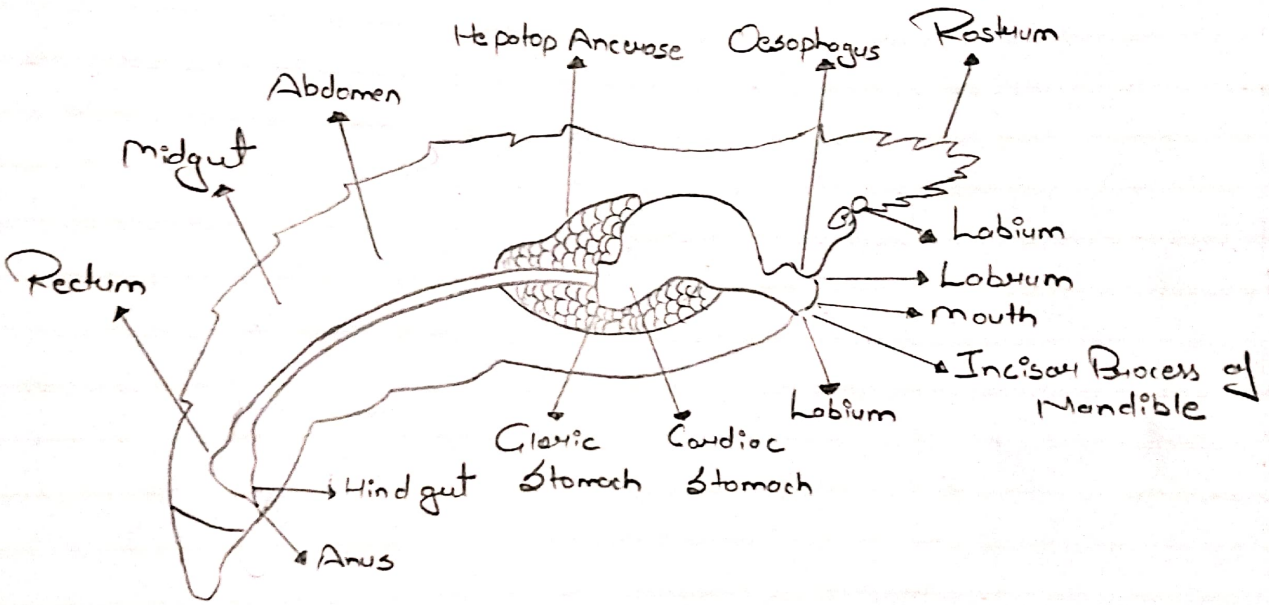


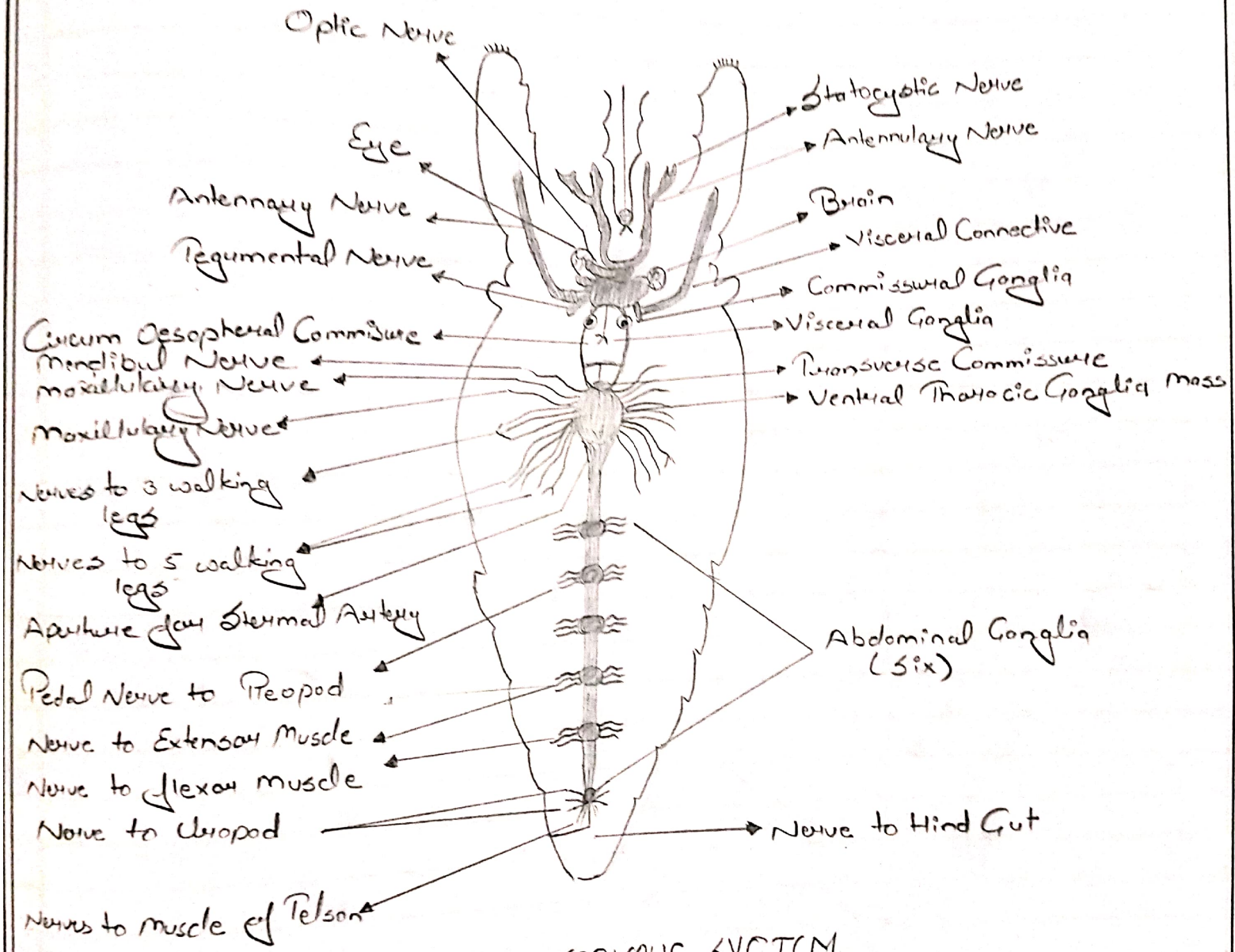
DIG :- PILA - NERVOUS SYSTEM

Date :



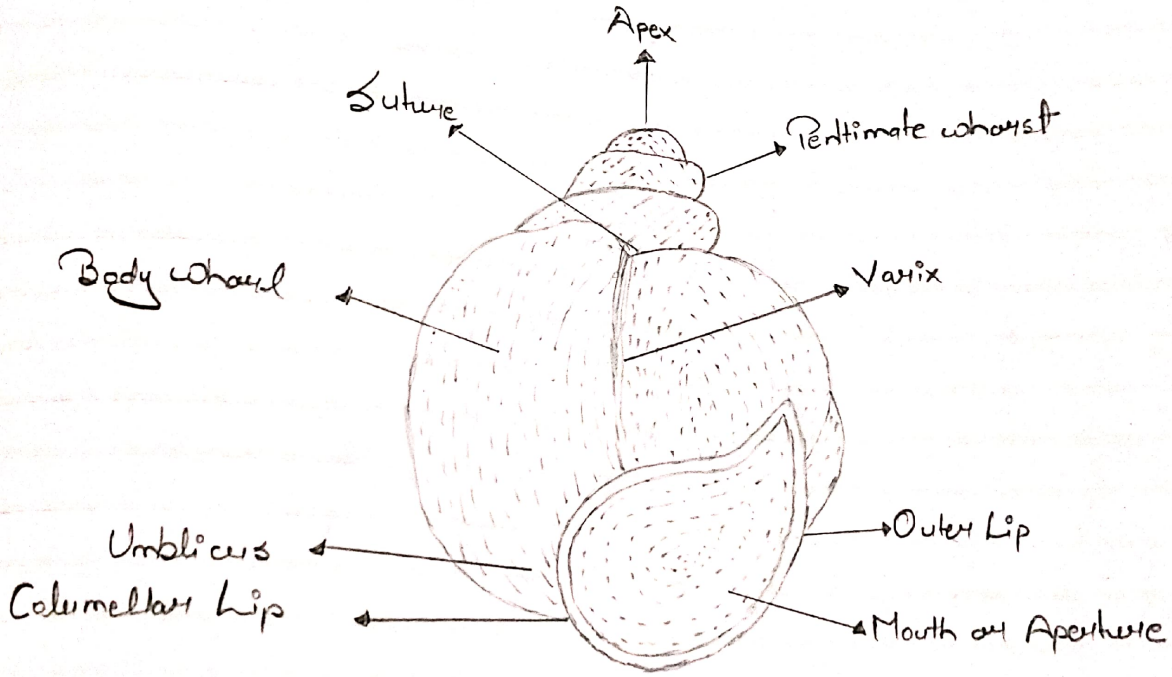
DIG :- PRAWN - ALIMENTARY CANAL

Date :



DIG :- PRAWN - NERVOUS SYSTEM

Date :.....



DIG :- PILA - EXTERNAL FEATURES

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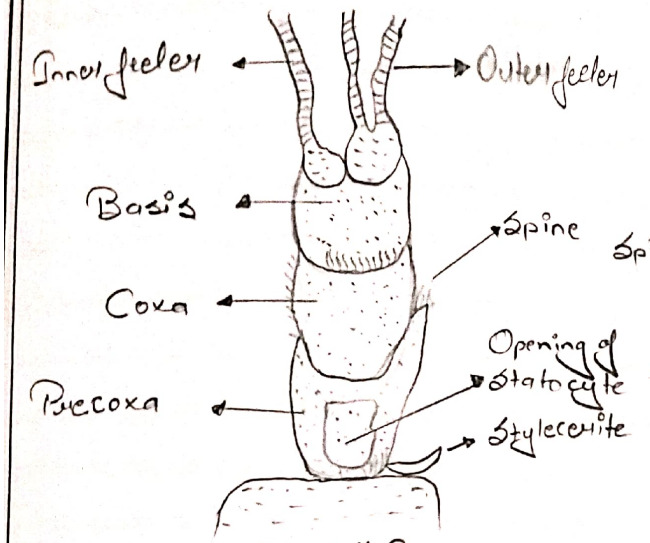

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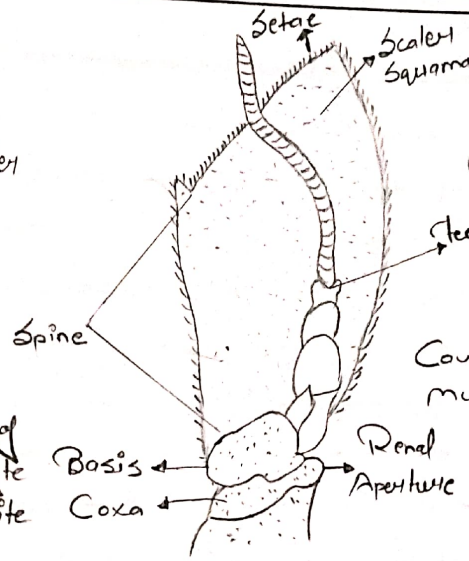

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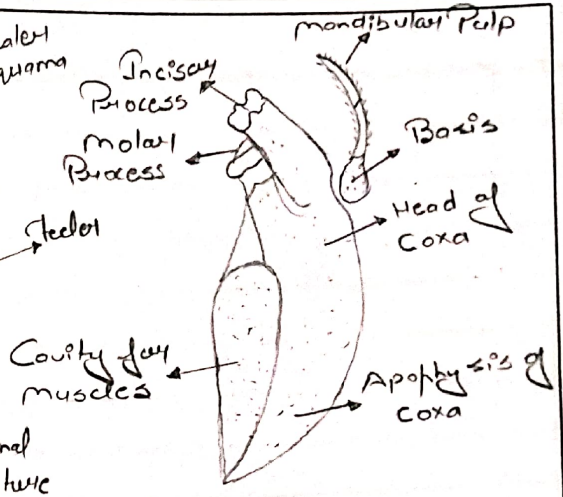

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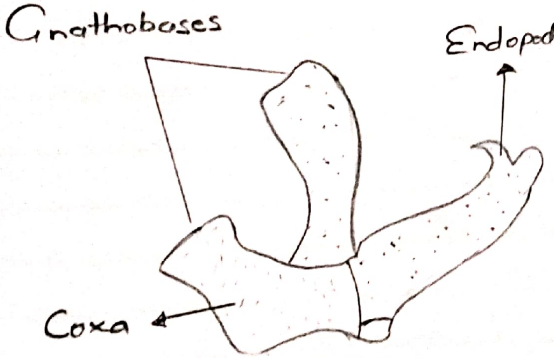
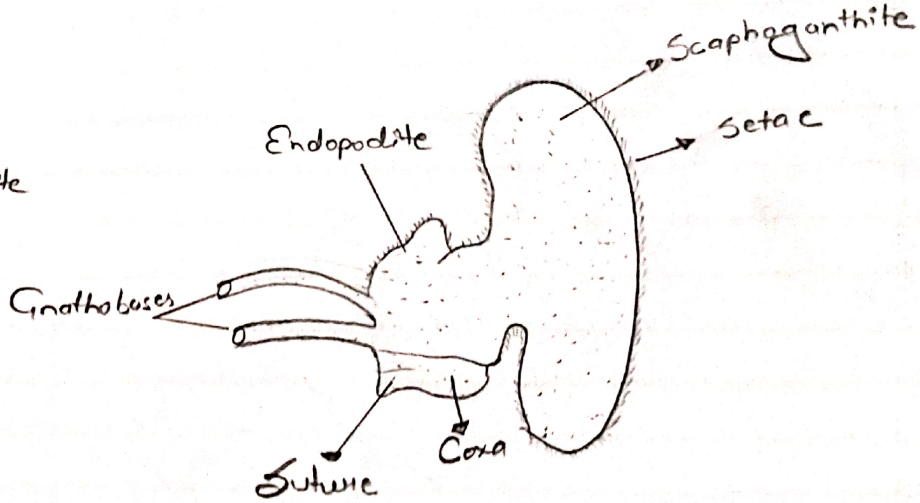


MAXILLULA



MAXILLA

DIG:- PRAWN - APENDAGES

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PERMANENT SLIDE PREPARATION

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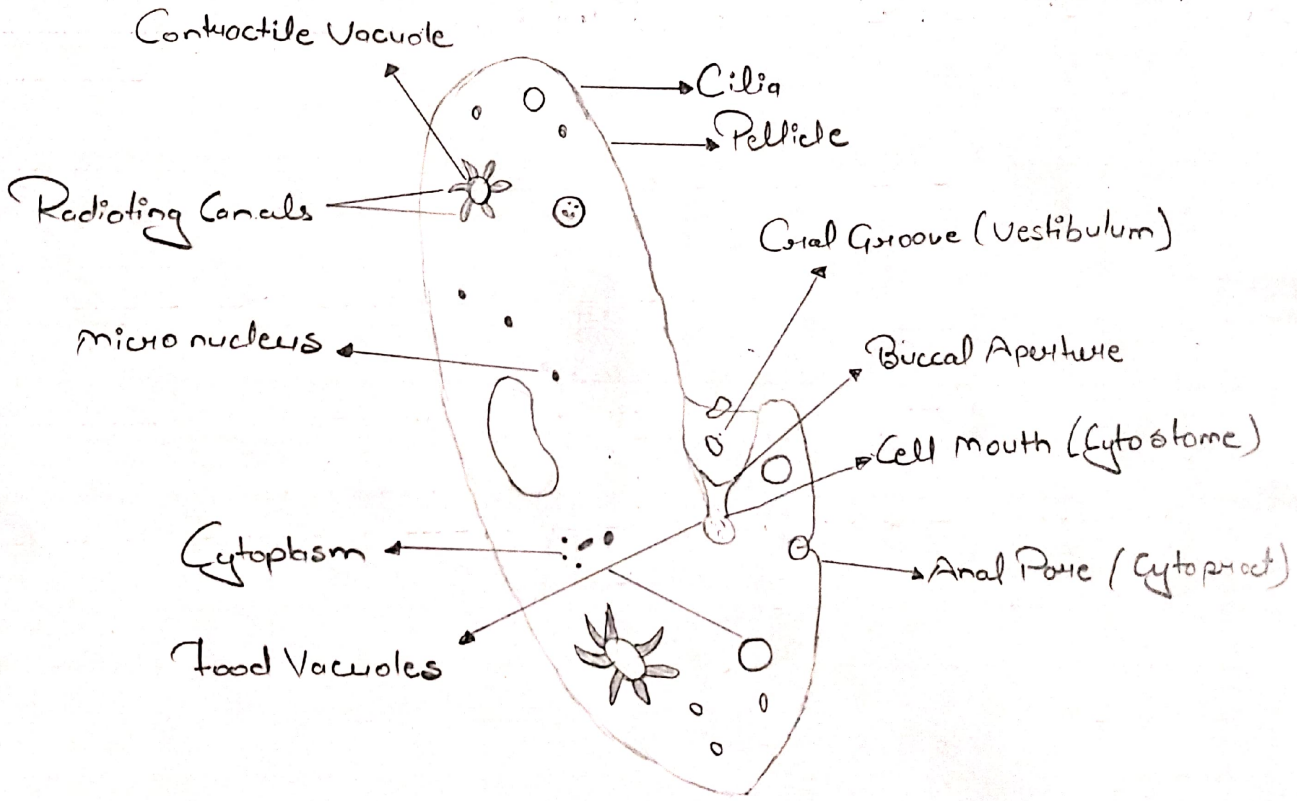

DIG :- PARAMECIUM

Paramecium

Characters :-

(i) Polyphyll, which gives definite shape to the body, is found.

(ii) Contractile cell vacuole is found at a fixed place.

(iii) Two central (small & square) are found.

(iv) Trichocysts are found in polyfil which are protective organs

(v) Sexual reproduction occurs by conjugation & asexual reproduction occurs by bivalvy

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Euglena

Characters :-

(i) A flagellum at the the anterior end which is available at the base of the esophagus.

(ii) A stigma at the anterior end which is light sensitive.

(iii) The nucleus is found near the posterior end.

(iv) Stored food in the form of paramylam body.

(v) This is an organic puzzle because it is half plant & half animals.

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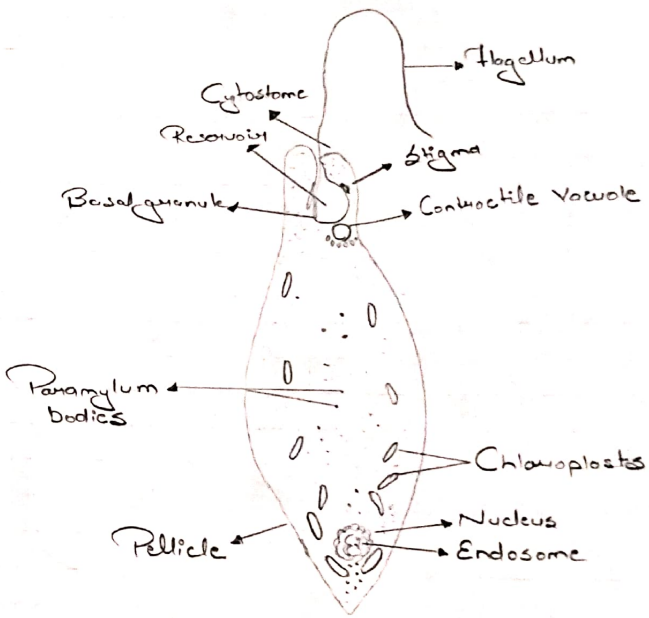
Date :



DIG :- EUGLENA

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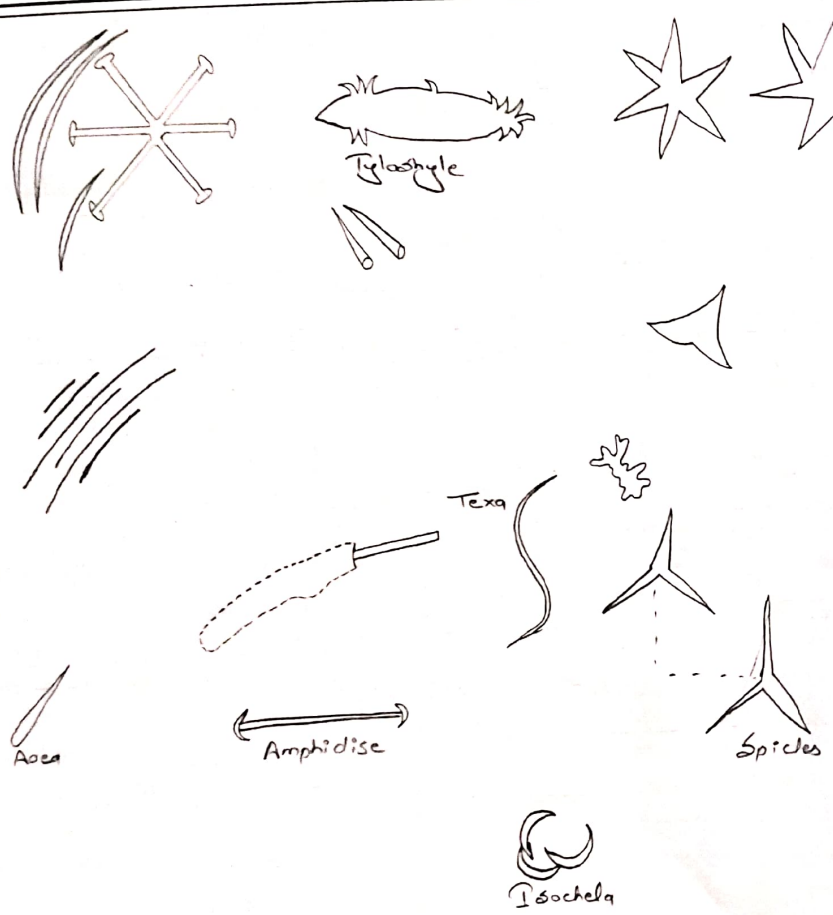

DIG:- SPONGE SPICULES

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Sponge Spicules

Characters :-

(i) In sponges, the endosperm is made up of caseous fibers of the fungi. These are crystalline structures

(ii) Inorganic matter in the form of $CaCO_3$ or hydrated silica is deposited at the base of the biomass in the cations

(iii) In the sycone, a number of infinitely needle like sharp & long monaxon or triaxeous cuticles are found forming a circle around the osculum. Simple ice-like aqueous cuticles are found protruding from the ext Cocles outside the axial canals.

(iv) Cuticles are divided into short cuticles & long cuticles on the basis oggle

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Page 10

Obelia Colony.

Characters :-

(i) This is a settlement with tree like branches

(ii) Polyps are found in the growth region of the main branch. Chlorocyte is found at the base & medusa is found on the sides of the blastocladia.

(iii) Polyps have a structure like a gosh with tentacles around their mouths. Blastocladia does not have main & tentacles. Medusa is a plate-like structure.

(iv) Polyp vegetative blastostyle performs the function of nutrition & medusa reproduction.

(v) Tentacles are organs of defense because nematocystes are found on them.

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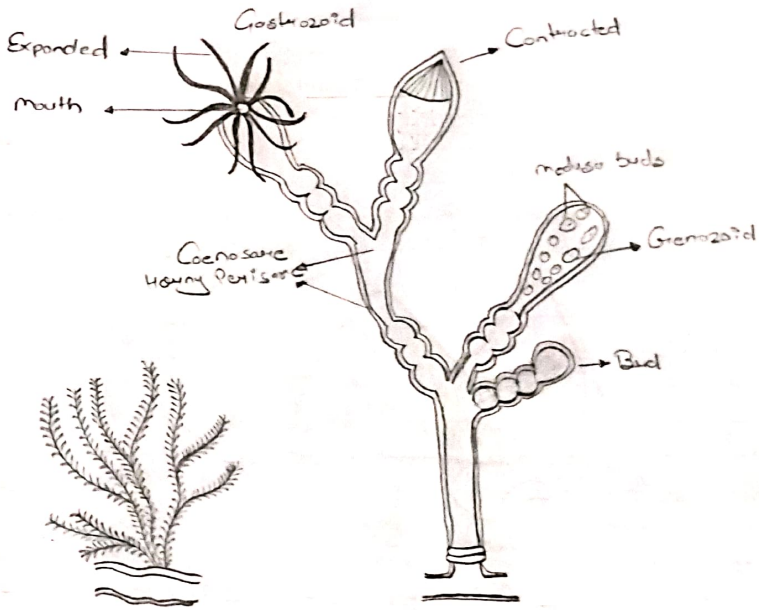
Date :



DIG :- OBELLA COLONY

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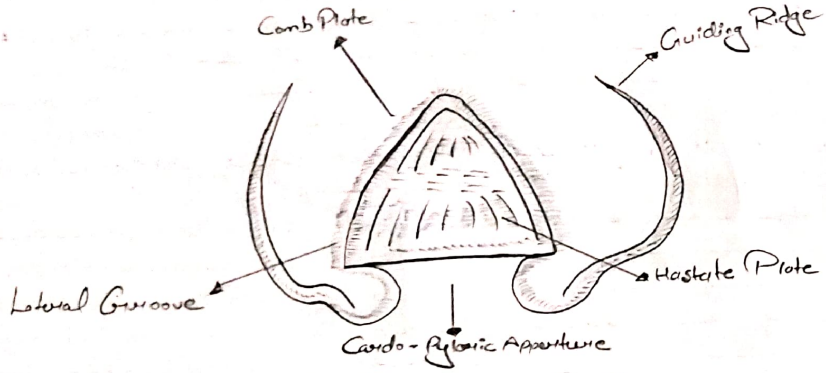

DIG:- HASTATE-PLATE

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Hastate Plate

Characters :-

(i) The hastate plate is located on the floor of the prawn's cardiac pylyps

(ii) This spear-shaped flat structure is made of thick cuticle

(iii) The bottom of the hastate plate is covered by hard sucrose made of chitin with the help of sucrose the ingested food is broken into small pieces

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Pila: Gill Lamella

Characters :-

(i) For aquatic respiration, a gill called tilidium is present in the pila, which hangs on the right side of the mantle in the branchial cavity.

(ii) The gills form a single row of numerous triangular parallel plates.

(iii) The bases of the plates are attached to the mantle & their free ends are called bags on the branchial girdle.

(iv) At the bottom of each plate there are transverse bulges, i.e. pleats. These bulges contain an elaborate network of vascular cells & when water flows over them, gaseous exchange takes place.

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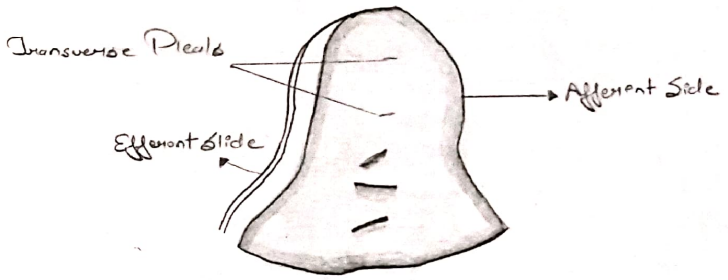

DIG:- PILA - GILL LAMELLA

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SPOTTING

Date
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Euglena

Classification :-

Phylum - Protozoa
Class - Mastigophora
Order - Euglenoidina
Genus - Euglena

Characters :-

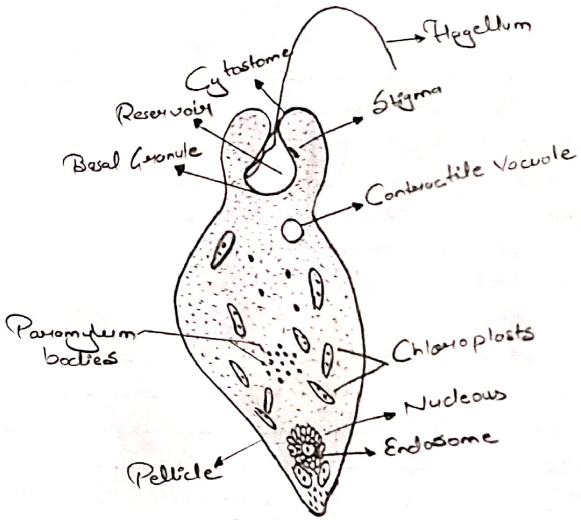
(i) If there is a flagellum on the head which is available at the base of the esophagus.

(ii) A stigma which is light sensitive is found at the anterior end.

(iii) The nucleus is found near the posterior end.

(iv) Stored food in the form of paramylum body.

(v) This is an organic puzzle because it is half plant & half animal



DIG :- EUGLENA

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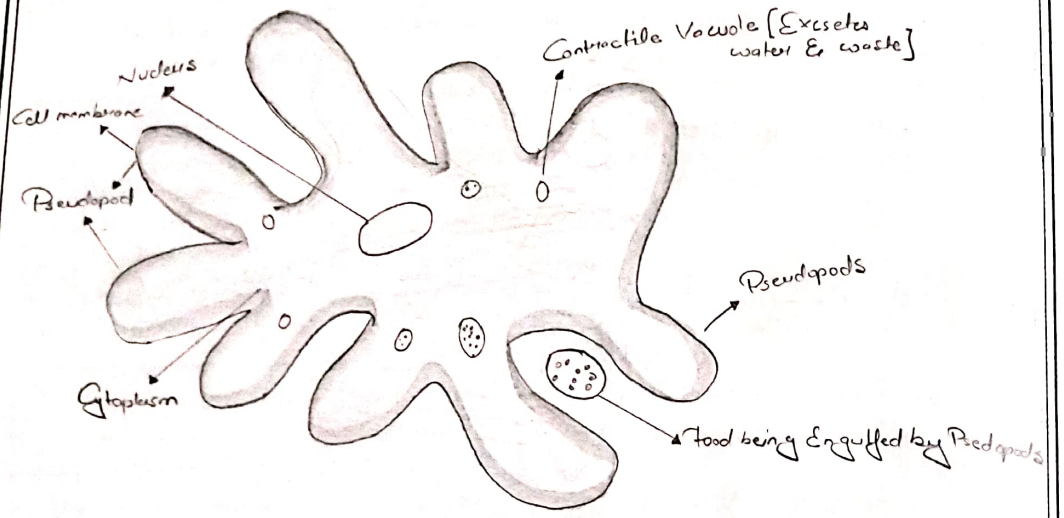

DIG :- AMOEBA

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Page

Amoeba

Classification :-

Phylum - Protozoa
Class - Rhizopoda
Order - Lobosa
Genus - Amoeba

Characters :-

(i) The shape is irregular & the protoplasm appears temporarily in the form of pseudopodia.

(ii) The protoplasm is released in the form of internal & external fluid.

(iii) Food vacuole, nucleus & contractile vacuole are found in the endoplasm. Contractile vacuole continuously expels water.

(iv) Reproduction by asexual binary fission.

(v) Under unfavourable conditions cyst formation occurs.

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Paramecium

Classification :-

Phylum - Protozoa
Class - Silicata
Order - Holotrica
Genus - Paramecium

Characters :-

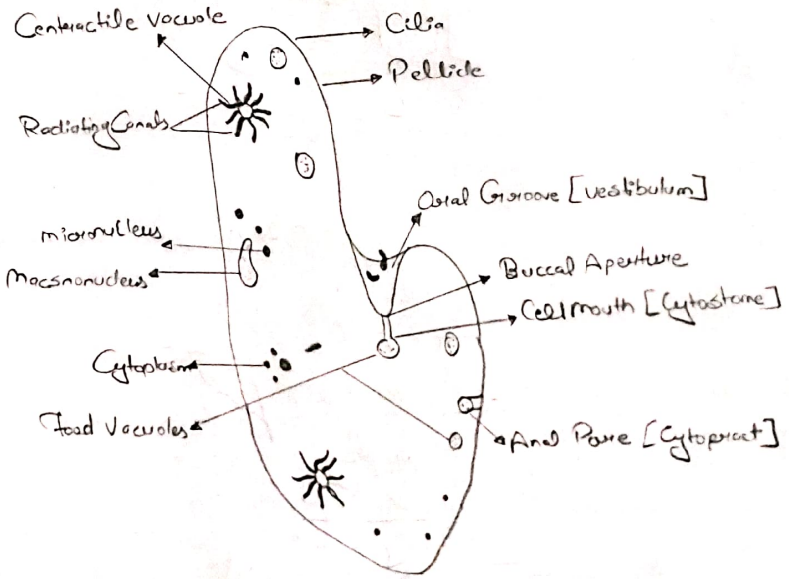
(i) Pellicle, which gives definite shape to the body, is found.

(ii) Contractile vacuole is found at a fixed place.

(iii) The cytoplasm is divided into outer & inner plasma respectively

(iv) The nuclei which are found to be small & old.

(v) Sexual reproduction occurs by conjugation & asexual reproduction occurs by binary fission



DIG. 3- PARAMECIUM

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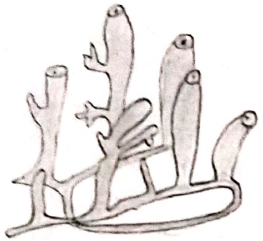
Unicylinder Colony



Bicylinder

multi-Cylinder Colony

DIG:- LEUCOSOLENIA

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Leucosolenia

Classification :-

Phylum - Porifera
Class - Calcarea
Order - Homocila
Genus - Leucosolenia

Characters :-

(i) Body like a bouquet.

(ii) The simple organization of sponges resembles that of Olynthus

(iii) The sponge cavity is exposed through the osculum.

(iv) Canal system Asconoid type of stream of water enters the spongocoel through ostium & comes out through osculum

(v) Reproduction through complexation & regeneration.

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Spongilla.

Classification :-

Phylum - Porifera
Class - Demospongia
Order - Monocsonida
Genus - Spongilla

Characters :-

(i) The drainage is irregular & slimy.

(ii) The skeleton is composed of silica ribs embedded in the spongilla.

(iii) They are yellowish, brown or green in colour.

(iv) During winter, spores are formed which sink to the bottom & develop into sponges when favourable conditions arise.

(v) Skeletal system is of Rehgon type.

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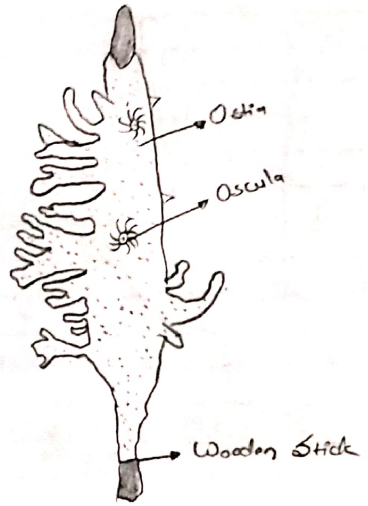

DIG :- SPONGILLA

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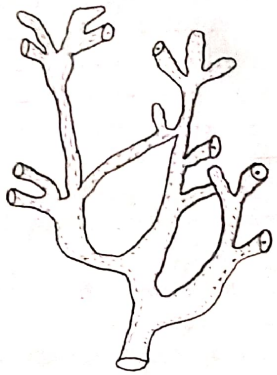

DIG :- MILLEPORA

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Millepora

Classification :-

Phylum - Cnidaria
Class - Hydrozoa
Order - Hydrocorallina
Genus - Millepora

Characters :-

(i) It is branched & its skeleton is made of Corals.

(ii) Innumerable spots, holes are found on the body.

(iii) The small pores are called dactylopores & gastropores.

(iv) Gastrophysemids emerge from gastropods & dactylozoids emerge from dactylopores.

(v) Dactyl points perform the functions of protection & sensation.

Date
Page 45

Physalia

Classification :-

Phylum - Coelenterata
Class - Hydrozoa
Order - Siphonophora
Genus - Physalia

Characters :-

(i) This shows division & polymorphism of labour.

(ii) The nematocysts on the tentacles are powerful & can kill fish.

(iii) Gastrozoids perform the function of nutrition & dactylozoids perform the function of sensory & protection.

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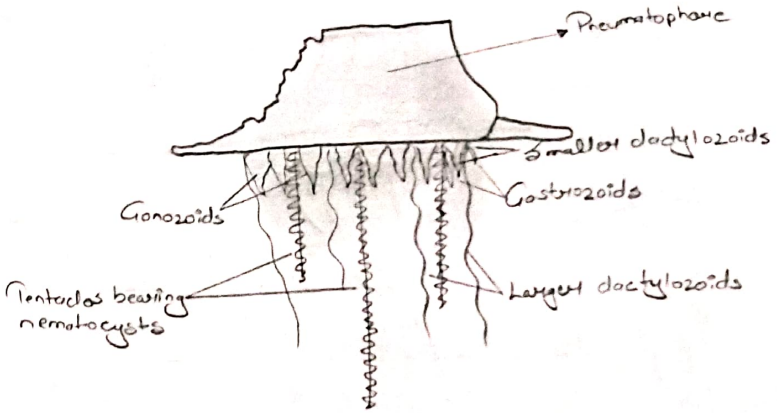

DIG:-PHYSALIA

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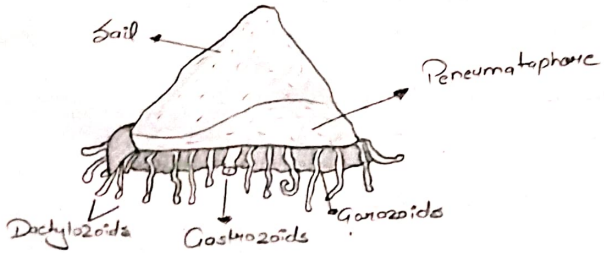

DIG:- VELELLA

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Velella

Classification :-

Phylum - Cylenterata
Class - Hydrozoa
Order - Cyphonaraphora
Genus - Velella

Characters :-

(i) The pneumatophore is a chitin-rich disc.

(ii) It appears like a vertical boat in which air chambers are found.

(iii) A single gastrozoid is found centrally on the ventral surface of the pneu

(iv) Dactylozoids are found on the edges.

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Page 53

Sea-Anemone

Classification :-

Phylum - Cylenterata
Class - Anthozoa
Order - Actineria
Genus - Adamsia

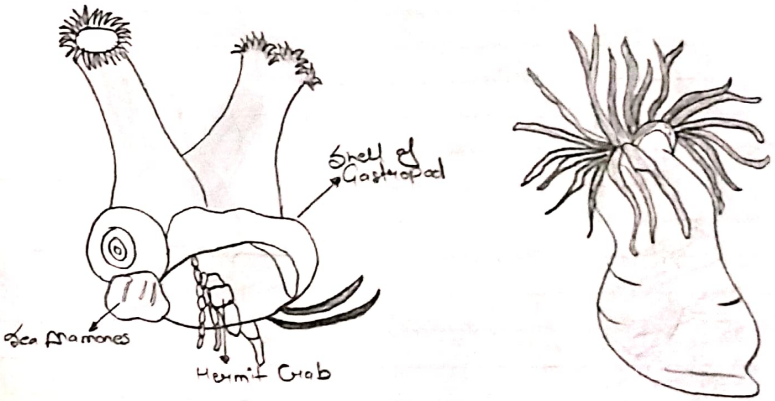
Characters :-

(i) The lower part of the body is called the basal disc which is attached to a base. It is fleshy & glandular.

(ii) The protruding part of the body is called the column.

(iii) The oral disc is covered by tentacles & the mouth is slit-like

(iv) Some anemones display commensal relationships with other animals, such as hermit crabs or the shells of gastropods.



DIG :- SEA-ANEMONE

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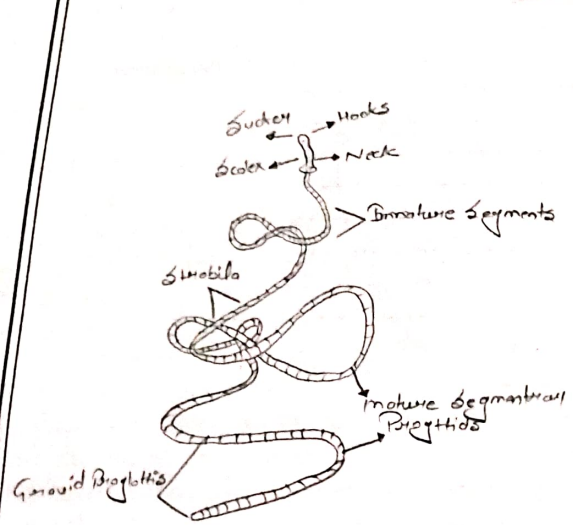

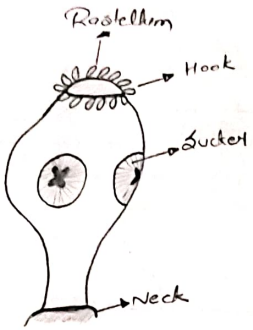

DIG :- TAENIA

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Page 56

Taenia

Classification :-

Phylum - Platyhelminthes
Class - Cestoda
Order - Cyclophyllidia / Taeniadia
Genus - Taenia

Characters :-

(i) Isolex, neck & segments are found in the body

(ii) The smaller segments is towards the neck, followed by the mature & segments.

(iii) The segments are called proglottids. There are four cymphs & a rost on the isolex. The prostellum has 28-32 hooks.

(iv) The mature segments is bisexual

(v) There is immense consistency in reproduction.

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Fasciola

Classification :-

Phylum - Platehelminthes
Class - Trematoda
Order - Digenea
Genus - Fasciola

Characters :-

(i) Flat belly like structure.

(ii) Mouth with oval sucker on half surface

(iii) Genital opening between the oval sucker & the mouth

(iv) The life cycle is completed in two hosts

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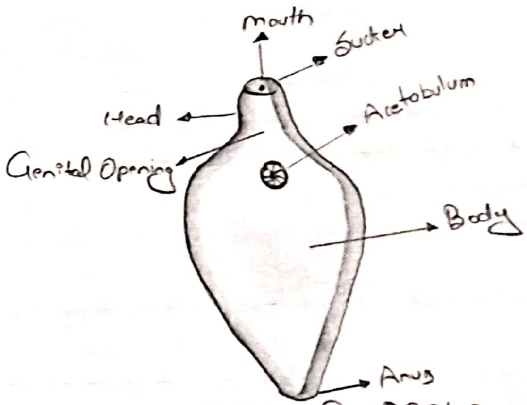
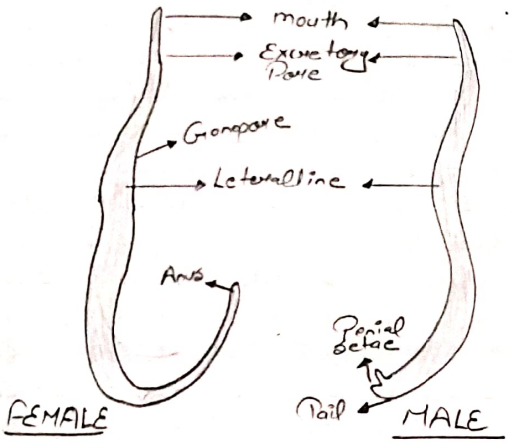


DIG :- FASCIOLA

Date :



DIG :- ASCARIS

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Ascaris

Classification :-

Phylum - Aschehelminthes
Class - Nemaetode
Order - Ascheroide
Genus - Ascaris

Characters :-

(i) The body is cylindrical & white & light pink in colour.

(ii) The tail of the male is coiled & that of the female is pointed.

(iii) The mouth is covered with one dorsal & two ventral lips.

(iv) Sexual dimorphism is found; the male is smaller (15-30cm) & the female larger (20-35cm)

(v) Skin is made up of cuticle.

PRIYANSHU PUBLICATION

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Nereis

Classification :-

Phylum - Annelida
Class - Polychaeta
Order - Errantia
Genus - Nereis

Characters :-

(i) The body is segmented & about 6 inches long, containing 80 to 120 segments.

(ii) At the anterior end the apex is divided into protomium & peristomium.

(iii) Protomium is triangular on which two pairs of eyes, one pair of tentacles, one pair of palps are found. 4 pair of tentacles and ceres are found on peristomium.

(iv) Trochophore larva are found.

(v) Autotomy & regeneration are found.

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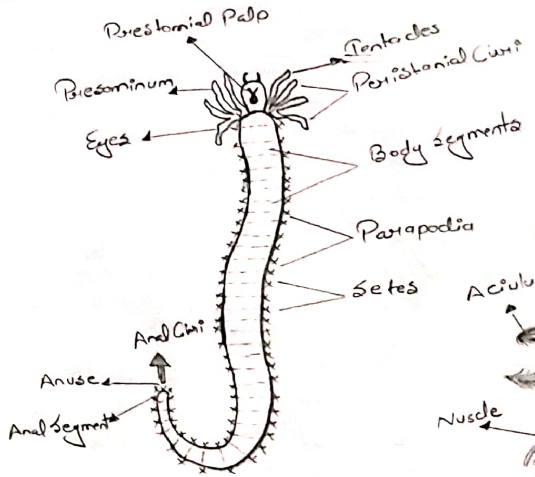
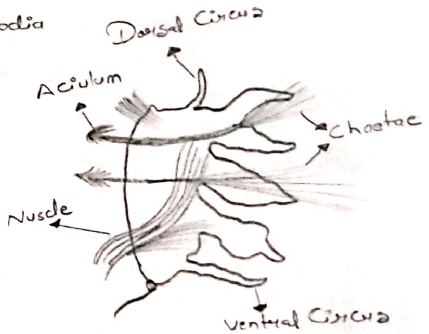


DIG:- NERIES



PARAPODIUM OF NERIES

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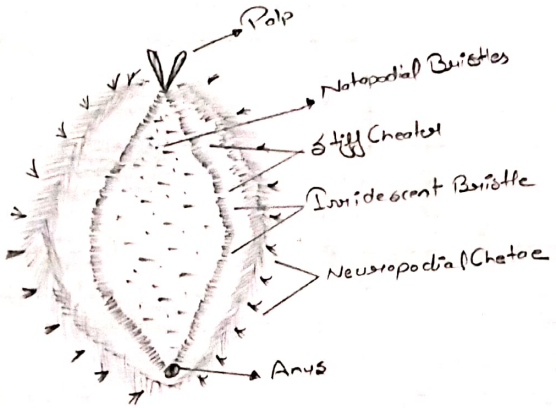

DIG:- APHRODITE

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Aphrodite

Classification :-

Phylum - Annelida
Class - Polychita
Order - Errantia
Genus - Aphrodite

Characters :-

(i) It is found in the sea & is found at the bottom of the deep sea mud.

(ii) It is also commonly called sea rat.

(iii) There are 30 - 35 segments in its body. The body is oval & flat like a dorsum.

(iv) A small head is found at the anterior end, which bears a median antenna & pair of palps

(v) To protects itself from enemies, it wraps its body and, like Porcupine, it makes its hard spikes stand upright.

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Hirudinaria

Classification :-

Phylum -
Class -
Order -
Genus -

Characters :-

(i) Ventral flat suckers are present on both the ends of the body dorsum

(ii) Body surface is greenish & light yellow.

(iii) The body is divided into 33 segments

(iv) 5 five segments are found at the tip. At the top where suckers, eye, mouth, jaws are present.

(v) The male genital pore is located in the tenth segments & the female genital pore is located in the 11th segment.

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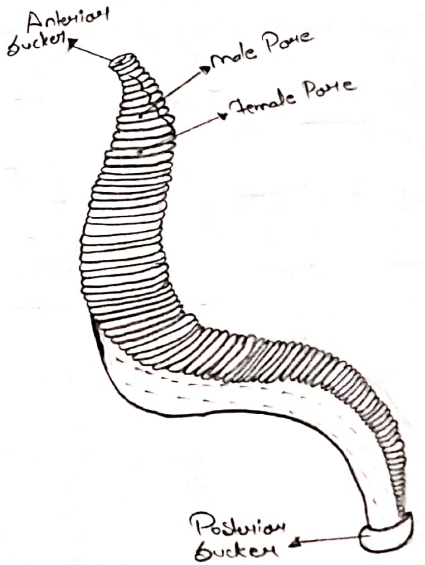

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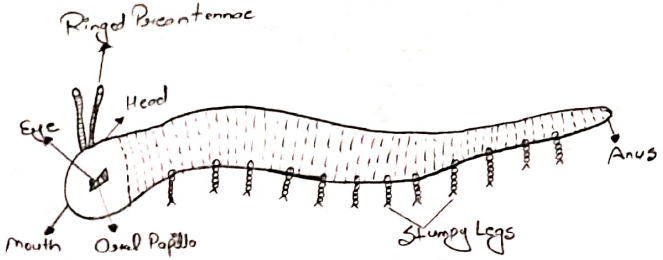

DIG:- PERIPATUS

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Date
Page 68

Peripatus

Classification :-

Phylum - Arthropoda
Sub-Phylum - Onicophora
Class - Onicophora
Order -
Genus - Peripatus

Characters :-

(i) It is an established animal & is found in cracks in rocks, bark of tr & moist places under stones.

(ii) It is considered to be the connecting link between the Annelida & Arthro phyla.

(iii) It is like a living fossil.

(iv) A distinct head is found. A pair of antennae, a pair of main papillae & a p of eyes are found on the head.

(v) These are pupal

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Page 69

Limulus

Classification :-

Phylum - Arthropoda
Class - Merostomata
Order - Xiphosura
Genus - Limulus

Characters :-

(i) It is found at the bottom of sea water.

(ii) It is commonly known as king crab.

(iii) A pair of medial & two lateral eyes are found on the forestin

(iv) A huge horseshoe - shaped carapace is found above the prosoma.

(v) This is called living fossil

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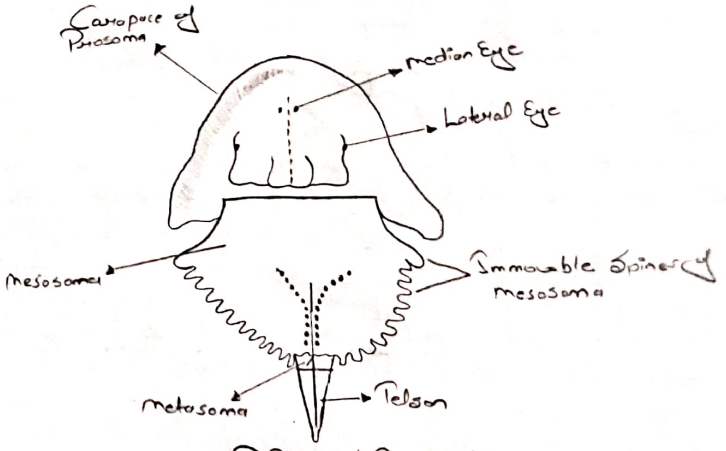

DIG :- LIMULUS

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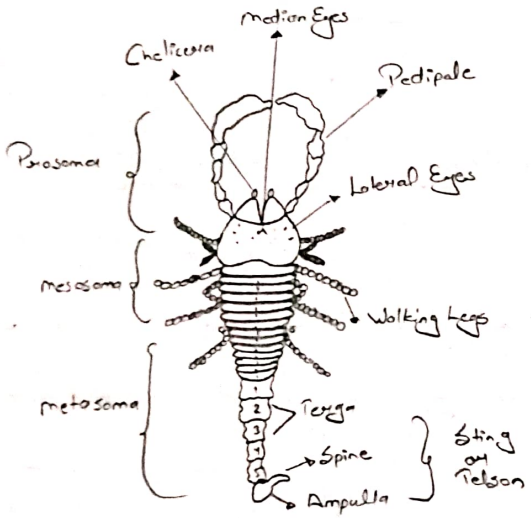

DIG :- SCORPION

Scorpion

Classification :-

Phylum - Arthropoda
Class - Arachnida
Order - Scorpionida
Genus - Scorpion

Characters :-

(i) It is a terrestrial animal which hides in cracks, under stones, un
food etc.

(ii) It is a nocturnal carnivorous animal

(iii) Its distribution is worldwide.

(iv) There are 7 parts in the middle five narrow ones at the end. These
the parts of the appendages

(v) The male & female are separate. They are pupal

Date
Page 13

Chilopede

Classification :-

Phylum - Arthropoda
Class - Chilopoda
Order -
Genus - Schlependera / Centipede

Characters :-

(i) This name is found in earth vessels, wood, logs, bark, basement etc.

(ii) It is a nocturnal carnivorous & fast running predatory animal

(iii) It is commonly known as Shatapadi or Ear Sticking

(iv) It is dark brown in colour & flattened from dorsal to posterior

(v) A pair of legs is found in each segment of the body.

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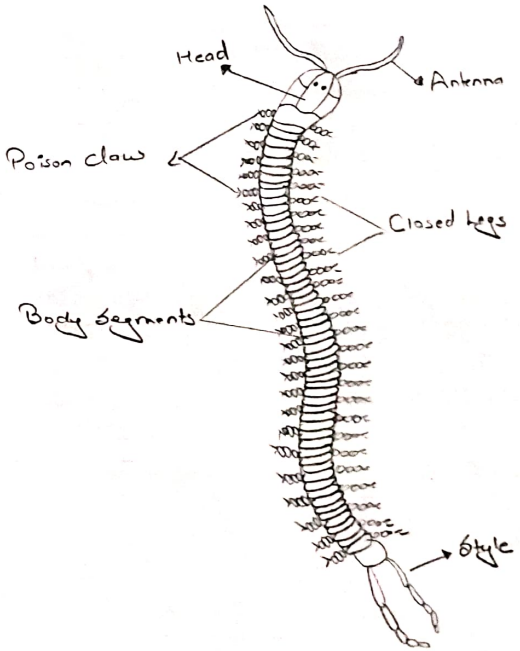

DIG:-CENTIPEDE

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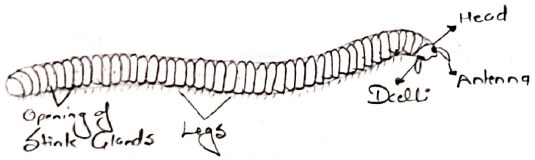

DIG :- MILLIPEDE

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Millipede

Classification :-

Phylum - Arthropoda
Class - Diplopoda
Order -
Genus - millipede

Characters :-

(i) This moist dark place is hidden in rocks, stones, logs & under the bark of wood.

(ii) It is a nocturnal, timid, lazy & vegetarian animal.

(iii) The body is long, cylindrical & segmented.

(iv) The genital pore is located at the front of the body.

(v) A pair of small antennae is found on the head.

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Lepas

Classification :-

Phylum - Arthropoda
Class -
Order -
Genus - Lepas

Characters :-

(i) It is found in sea water & sticks to the floating plants, logs, ships & turtles at the bottom of the sea water.

(ii) It is commonly called the geese barnacle, ship barnacle.

(iii) There is a lack of antennae & eyes.

(iv) It is bisexual

(v) Development is asexual; the larva is nauplius.

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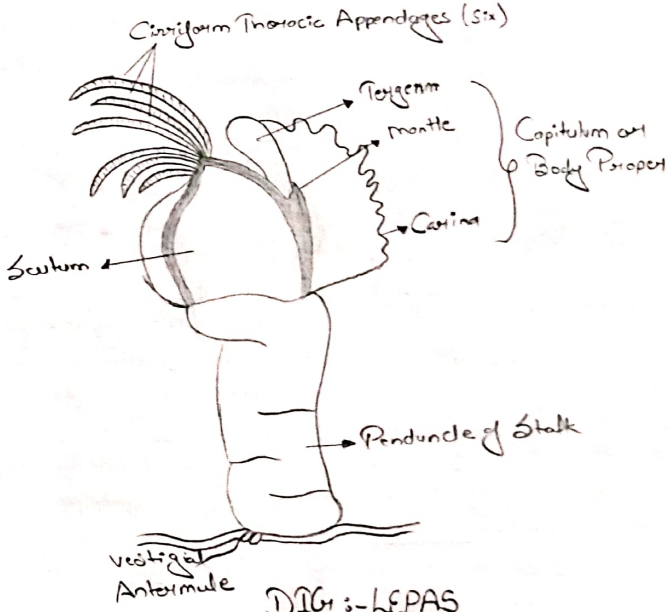

DIG :- LEPAS

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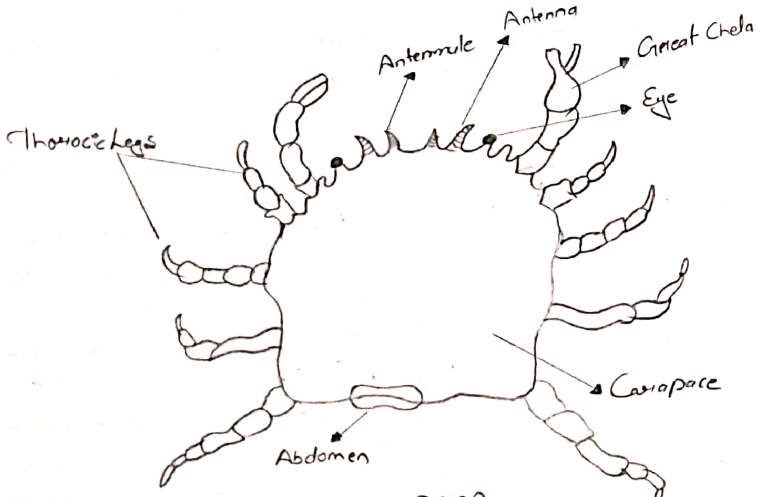

DIG :- CRAB

Date
Page 80

Crab

Classification :-

Phylum - Arthropoda
Class - Crustacea
Order - Decapoda
Genus - Carcinus

Characters :-

(i) It is found in shallow clean water habitats in mud, stones & rocks

(ii) Antennule & antennae are small & a pair of sensitive eyes are found

(iii) There are five pairs of brassy legs, of which only the first p is forked

(iv) The abdomen is symmetrical

(v) The male has two pairs & the female has four pairs of plankton

Date
Page 21

Mantis

Classification :-

Phylum - Arthropoda
Class - Insecta
Order - Arthroptera
Genus - mantis

Characters :-

(i) It is also called "praying mantis" because its fore legs remain in a prayer posture when at rest

(ii) Its body is long, soft & light coloured.

(iii) The body is divided into head, abdomen & stomach.

(iv) There are 10 sections & a pair of anal looms

(v) The eggs are laid in egg shells formed by viscous secretion

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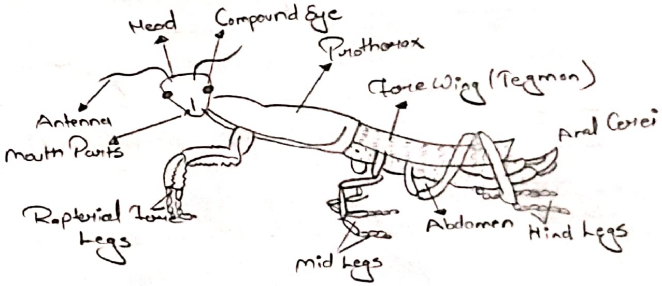

DIG :- MENTIS

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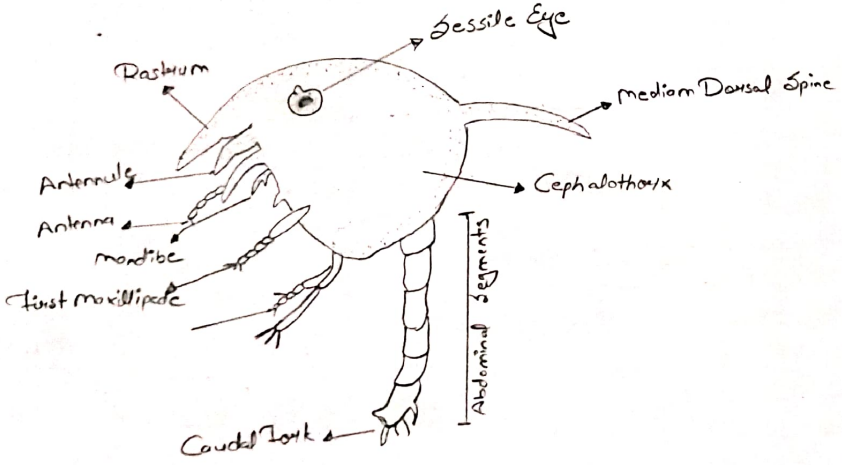

DIG :- ZOEA LARVA

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Zoea Larva

Characters :-

(i). This is the second important larva stage in the development of animals of the Crustacea class.

(ii). Its body is differentiated into head & abdomen

(iii). A pair of bearing eyes are found in the head

(iv). The abdomen is 6 segmented & without appendages. A tail fluke is found the last segmented.

(v). It metamorphoses into metazoea & megalopa larvae

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Page 85

Mysis Larva

Characters :-

(i) It is called as schizopoda larvae

(ii) Its body is divided into cirthaxs & abdomen. It has a total of 13 pairs of appendages which are of bifurcated type.

(iii) The carapace of cephalothorax is covered with a mound

(iv)

(v) It transforms into an adult after metamorphosis.

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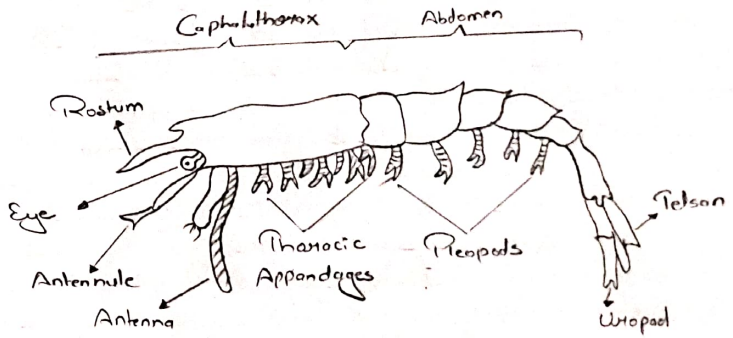

DIG :- MYSIS LARVA

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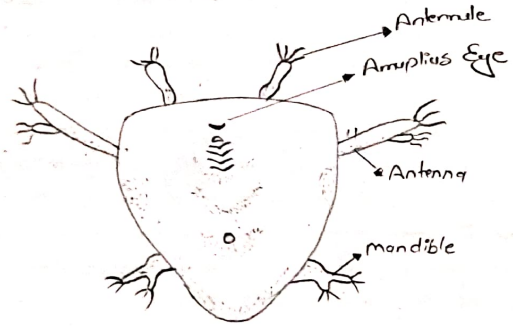

DIG :- NAUPLIUS LARVA

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Date
Page 83

Nauplius Larva

Characters :-

(i) This is the first larval stage of development of animals of the Crustacea class.

(ii) Its body is compact, pear-shaped & solid.

(iii) A simple eye is found in its front middle portion.

(iv) Three pairs of appendages are found in it.

(v) This is a secretive larva.

Date
Page 89

Chiton

Classification :-

Phylum - Mollusca
Class - Amphineura
Order - Polyplacophora
Genus - Chiton

Characters :-

(i) It is found in the intertidal zone of seawater & sticks to rocks.

(ii) It is a nocturnal & sluggish animal.

(iii) Its body is oval, biconvex & flattened from side dorsal to anteroposterior.

(iv) Its body can be divided into a small, vague head, legs, & a basal body.

(v) The head lacks tentacles & eyes.

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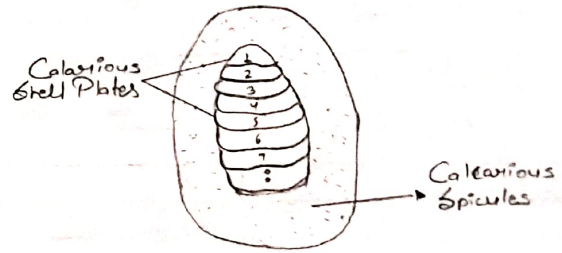

DIG:- CHITON

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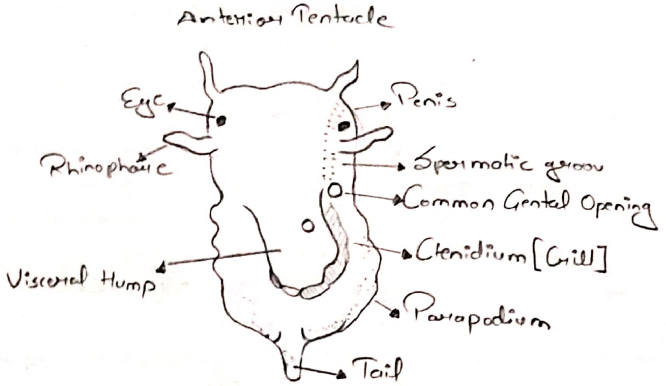

DIG :- APLYSIA

Aplysia

Classification :-

Phylum - Mollusca
Class - Gastropoda
Order -
Genus - Aplysia

Characters :-

(i) A marine animal that crawls among the marine vegetation.

(ii) Its distribution is worldwide.

(iii) It is commonly called sea hares

(iv) It is bisexual

Date
Page 13

Cypraea :

Classification :-

Phylum - Mollusca
Class - Gastropoda
Order - Pectinibranchiata
Genus - Cypraea

Characters :-

(i) It is also commonly known as "Kodi".

(ii) The shell is flat, curved, smooth & shiny.

(iii) An oval whorl is found on the shell. The shell is flattened towards the dorsal & ventricular surface. A sucker-like crack-like pore is found in the middle of the ventricular surface along its entire length. Its edges are wavy & serrated.

(iv) The lateral folds of the mantle completely cover the shell. Mantle tentacles are found on the mantle.

(v) It lies on rocky ground in shallow sea waters.

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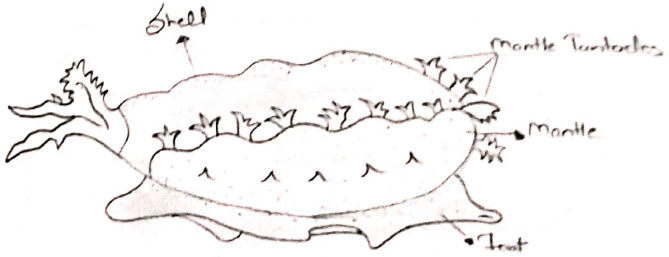

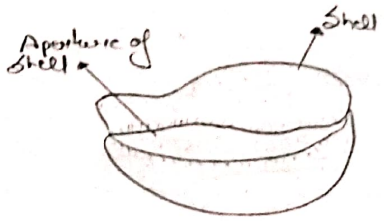

DIG :- CYPRAEA

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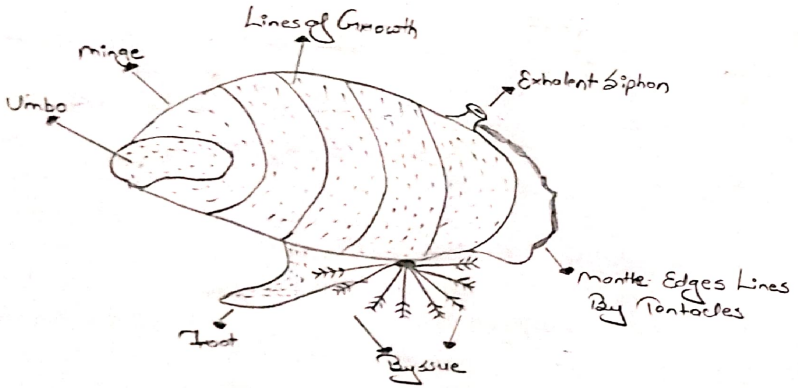

DIG :- MYTILUS

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Mytilus

Classification :-

Phylum - Mollusca
Class - Pelecipoda
Order - Filibranchia
Genus - Mytilus

Characters :-

(i) It is found in seawater. It sticks to pieces of wood in tidal zones in shallow water.

(ii) Its distribution is worldwide.

(iii) It is commonly called sea snail.

(iv) The head is rudimentary; tentacles & eyes are absent.

(v) The gills are plate like & thread-like.

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Page 91

Loligo

Classification :-

Phylum - Mollusca
Class - Cephalopoda
Order - Decapoda
Genus - Loligo

Characters :-

It is found in shallow & deep waters of warm seas.

This is an animal that swims at high speed in the open sea.

It is known by the name of squid or calgiri. It is also called sea cuckin

Its body is fleshy & flat from dorsal to posterior.

It is unisexual & development is direct.

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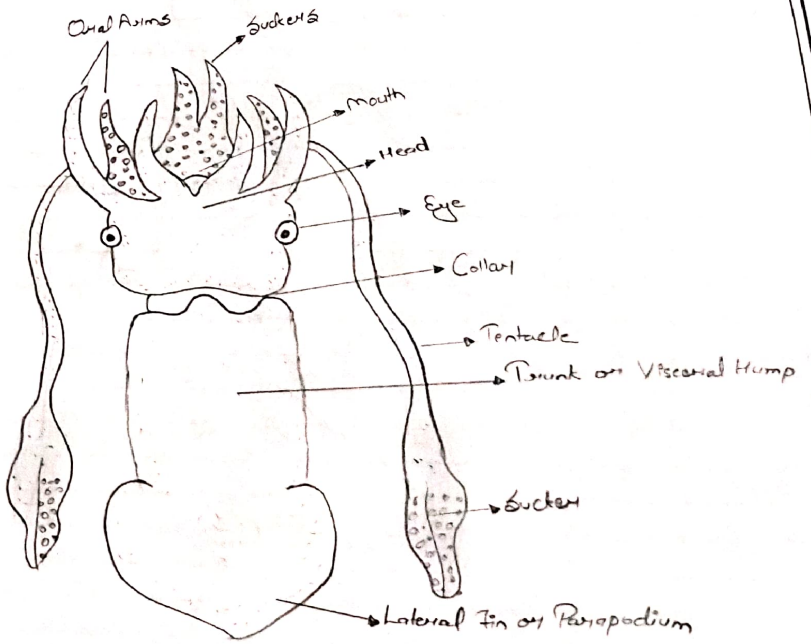

DIG :- LOLIGO

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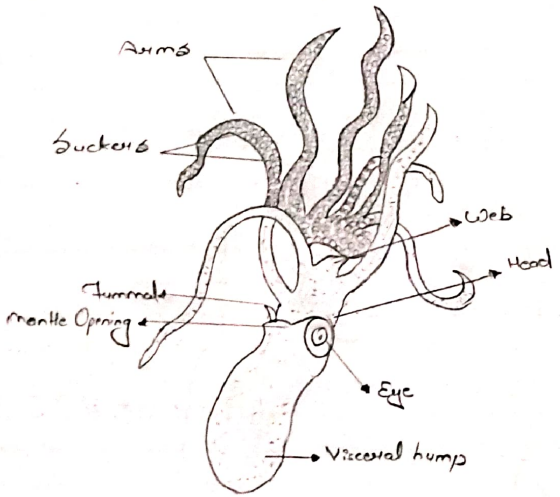

DIG :- Octopus.

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Page 100

Octopus

Classification :-

Phylum - Mollusca
Class - Cephalopoda
Order - Octopoda
Genus - Octopus

Characters :-

(i) In the middle of its eight limbs there are two eyes & a beak-like mouth

(ii) It can also change shape of its soft body to pass through small spaces.

(iii) They move by expelling a stream of water from their siphon. The use it for both respiration & movement.

(iv) Its nervous system is complex & it is considered one of the most intelligent living creatures.

(v) These are solitary animals that live in large sea areas

Date
Page 101

Nautilus

Classification :-

Phylum - Mollusca
Class - Cephalopoda
Order -
Genus - Nautilus

Characters :-

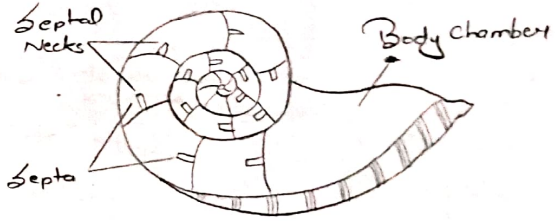
(i) It is found in deep sea water.

(ii) It is a nocturnal, companion & carnivorous animal.

(iii) It is found in the Indian & Pacific Oceans.

(iv) This predator is called Nautilus

(v) It has 4 gills, 4 kidneys & four atriums



DIG :- NAUTILUS

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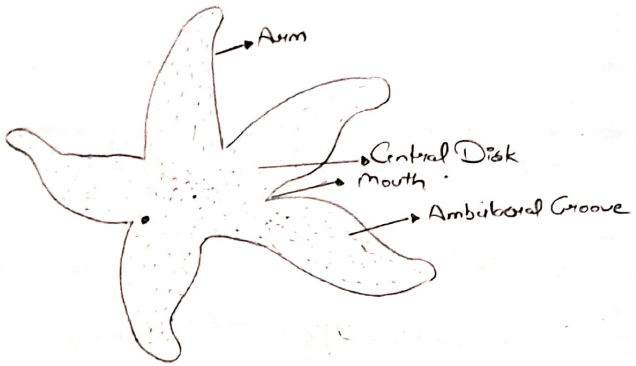

DIG :- ASTERIAS

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Page 124

Asterias

Classification :-

Phylum - Echinodermata
Class - Asteroidia
Order - Forcipulatida
Genus - Asterias

Characters :-

(i) Marine creatures found in the Indian & Pacific oceans.

(ii) The body is star shaped with a central disc & 5 arms.

(iii) On the upper oral surface of the animal there is a central disc, a madreporite pore & anus.

(iv) The body is covered with a skeleton made of pentagonal calcareous bones & ossicles.

(v) It is a harmful organism which consumes the pearl oyster & harms the pearl production.

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Antedon

Classification :-

Phylum - Echinodermata
Class - Crinoidia
Order - Artifleta
Genus - Antedon

Characters :-

(i) It is found in shallow marine water & sticks to rocks by means of cirri with prominent central veins.

(ii) Its distribution is world-wide.

(iii) It is also commonly known as 'sea lily' or 'feather star'.

(iv) Its body is cup-shaped.

(v) There is a central image in its body, around which long, thin & branched arms are found, out of which 10 are visible.

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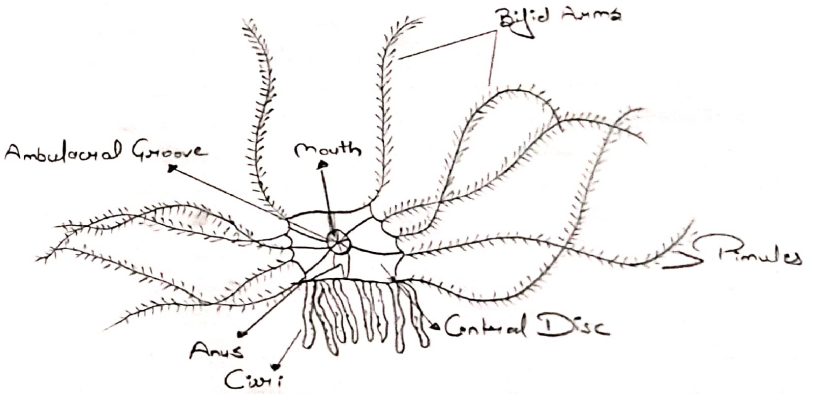

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Q-1 Anatomy

(i) Draw a well labelled diagram of Pila nervous System

(ii) Draw a well labelled diagram of Prawn Appendages

Q-2 Prepare a Permanent Slide of Gill lamella of Pila

Q-3 Identification Labelled diagram and Comments on Spot

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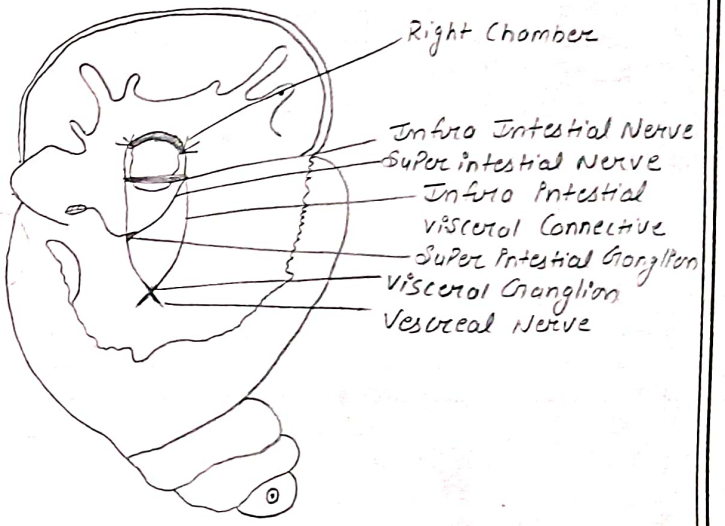

Dig :- Pila - Nervous SYSTEM

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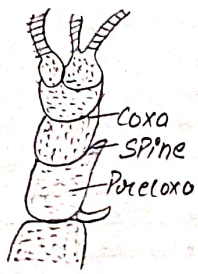
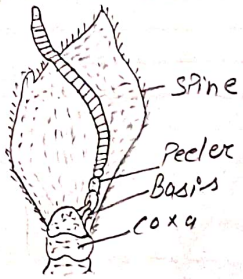


Antenule



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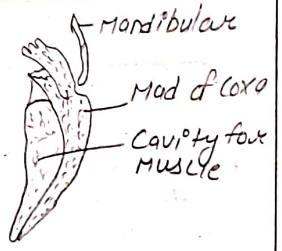

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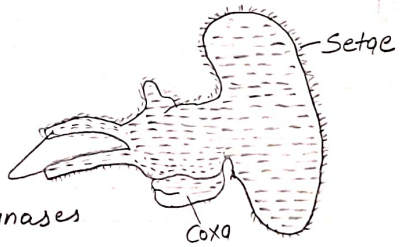
Maxpillula



Maxillo

Dig.- Prawn Appendages

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Ans-2 Object :- Gill Plate of Pila

Procedure :-

Break the shell of Pila to expose the mantle. After identifying the epithilum of the mantle, observe the Gill Cavity. The Gill in the Pila Cavity is of the Monopectinate type. isolate the Gill Plate from the + water Gill and Palace it in a Petri dish observe under the Microscope observe the slide under a Microscope

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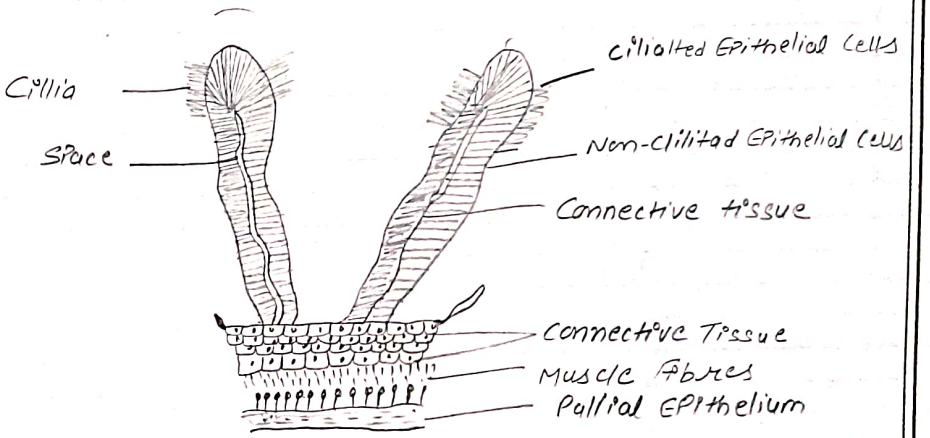
Page No. : 113 Date :



Dig:- Pilla - Gill Lamella

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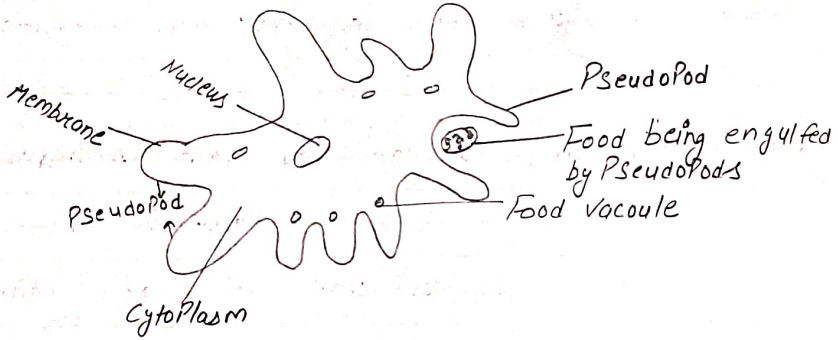

Dig :- Amoeba

Characters

(1) Shape irregular, jelly like substances tempararily present in the form of a pseudopod.

(2) Living matters remains free in the form of external matter and is sourrended by plasma membrane

(3) Reproduction is Asexual by binary fession

(4) Cryst Formation occurs under favourable conditions

Characters

(1) Colonies are irregular and loose

(2) Color is white, brown, Green

(3) In winter they form Resting bodies which Germinate in the Soil and develop into Sponges under Favorable Condition

(4) Reproduction is Vegetative

(5) Habitat is terrestrial type

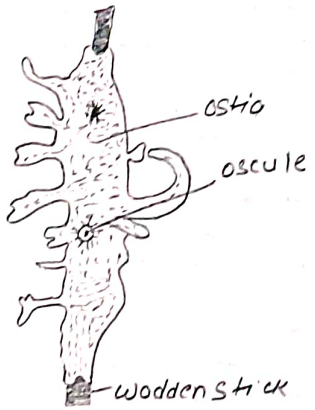

Fig :- Spongilla

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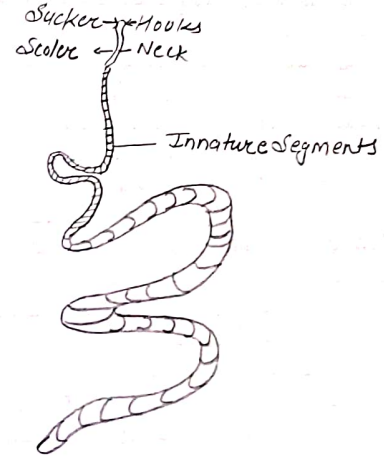
Dig:- Velella

Characters

① Pneumatophores are Present
② They Resembles a standing boat with air chambers
③ In the central part of the upper surface of the Pneumatophore
④ At the margin, dactylozooanoids are present

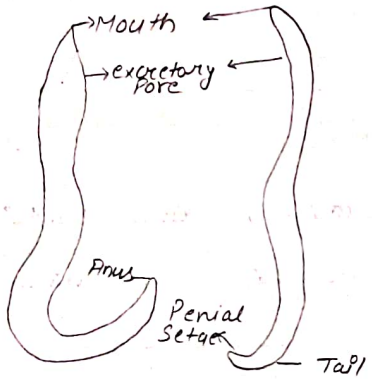
Characters

1. Body Consists of Scolex, Neck, and Proglottids
2. Younger Proglottids are towards the Neck Followed by Gravid and Mature Proglottids
3. Immense Reproductive Capacity
4. Scolex has Four Suckers and a Rostellum
5. Rostellum has Hooks



Dig ⊢ Taenia

Teacher Signature .....



Dig :- Ascaris

Characters

1. Body is Cylindrical, white, and light Pink in Color.
2. Male's tail is Coiled, while Female's is Hidden
3. Mouth is Sourrended by one dorsal and two ventral lips
4. Sexual dimarphism is present males are Smaller (16-30 cm) and Females are larger. (20-35 cm)
5. Body is Covered by a Cuticle.

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Characters

① Body is elongated, segmented approximately 8 inches long

② Head is divided into Prostomium and Peristomium

③ Peristomium with four pairs of tentacles or Cirri

④ Trochophore larva is present

⑤ Autotomy and Regeneration are present.

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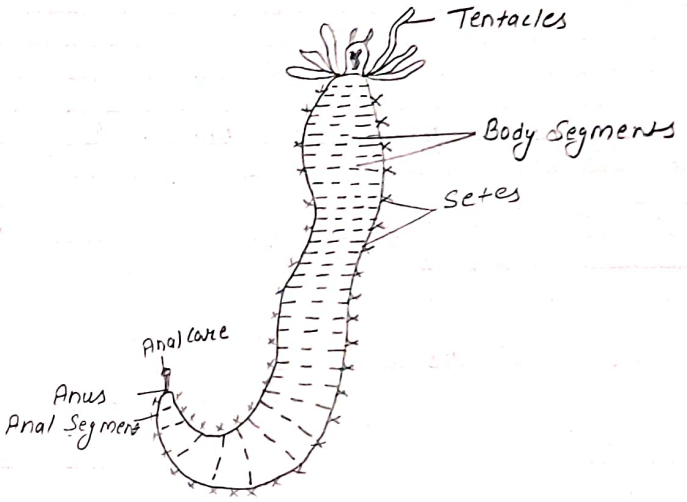

Dig:- Neries

Teacher Signature .....

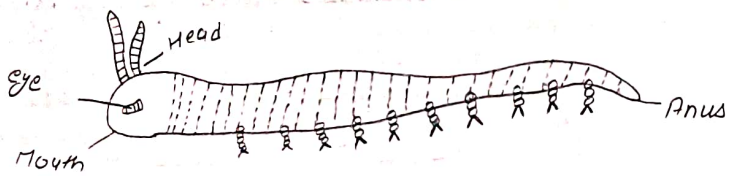

Fig - Peripatus

Characters

1. This is a worm-like animal found in damp places like cracks in walls, under tree bark and moist areas
2. It is considered a connecting link b/w the Annelida and Arthropoda Phyla
3. It is like a living fossile
4. They are hermaphrodites.

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Characters

(1) This is local earthworm that lives under stones in soil etc.

(2) Nature it is a Nocturnal, Carnivorous animal

(3) It is found worldwide.

(4) It has long, cylindrical body is divided into segments there are 7 segments.

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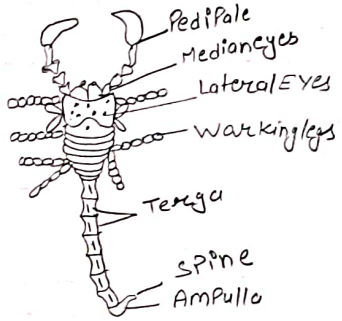

Dig - Scarpion

Teacher Signature