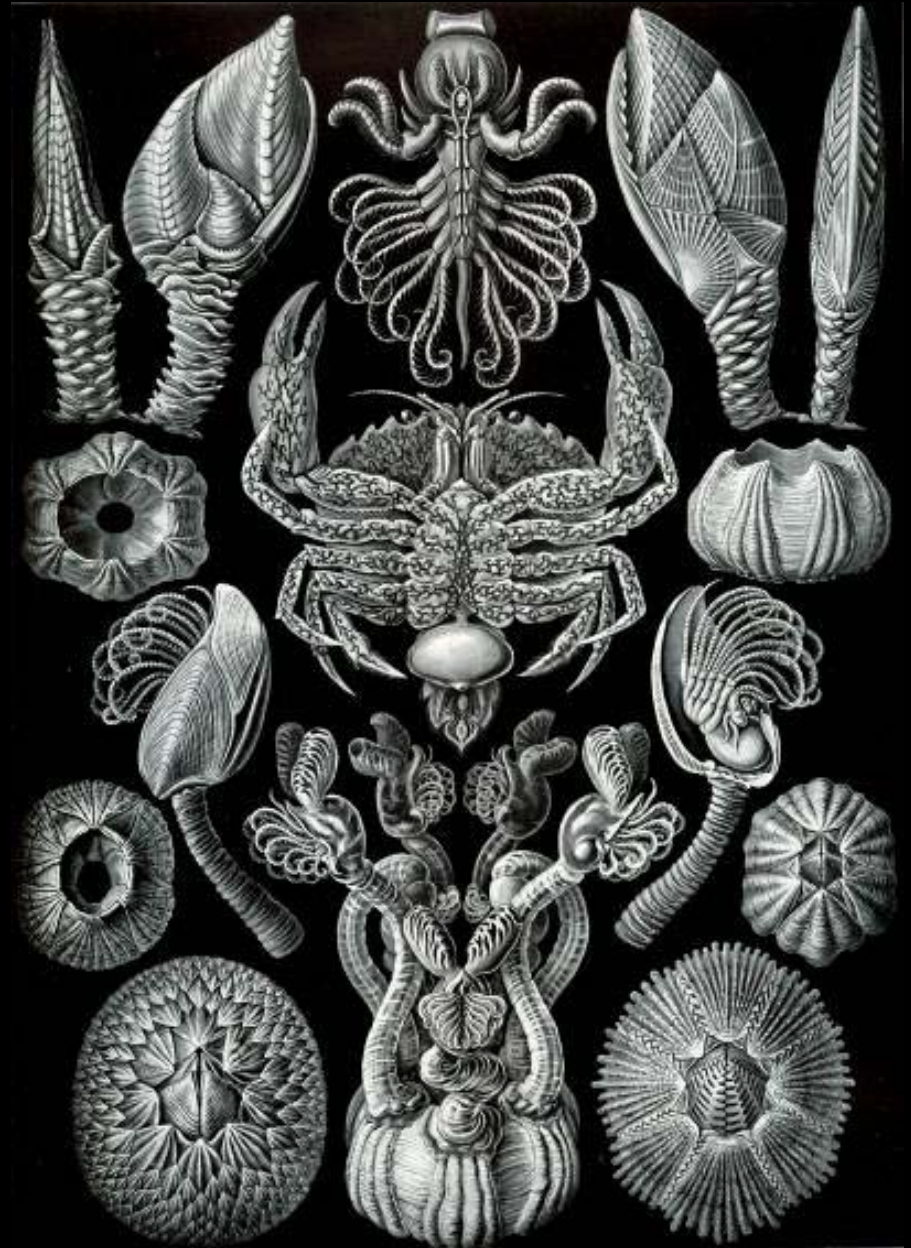


Darwin's most extensive work?

- 8 years of work, writing...
- 4 books, involving...
- 1217 pages on...

the Cirripedia!



from Haeckel, 1904

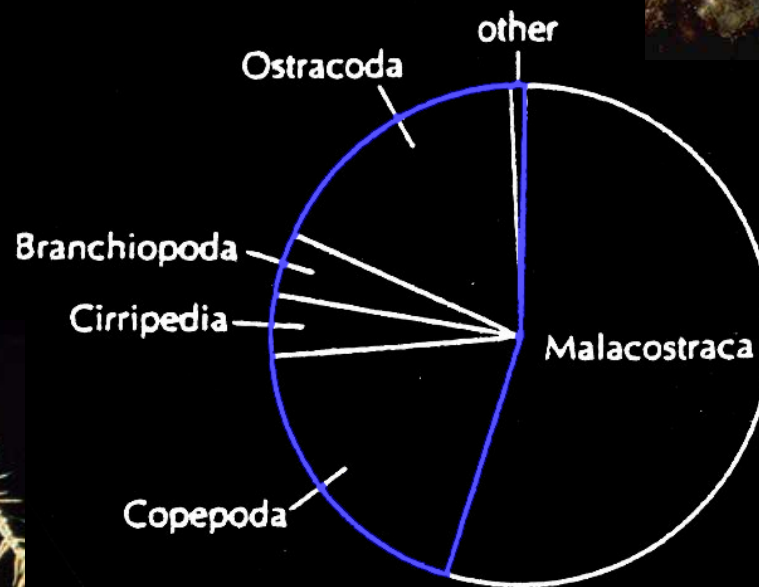
Cl. Maxillopoda



**Subcl.
Branchiopoda**



Subcl. Cirrepedia



**Subcl.
Copepoda**



**Subcl.
Ostracoda**

Subcl. Cirrepedia



O. Acrothoracica

(acro="tip")

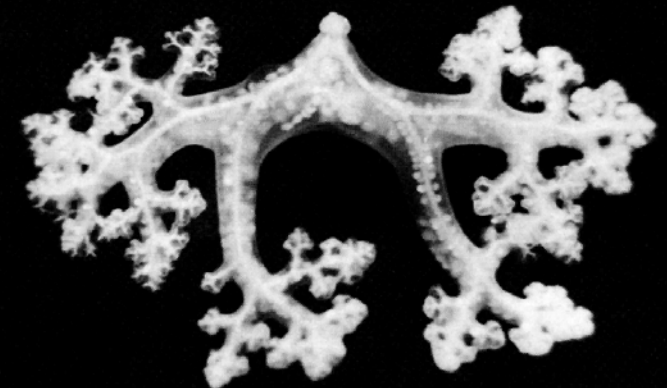
Thoracica

Rhizocephala

("root-head")

Ascothoracica

(asco = "bag")



parasitism!
loss of body regions!
degenerate males!
hermaphrodites!

Subcl. Cirripedia O. Thoracica

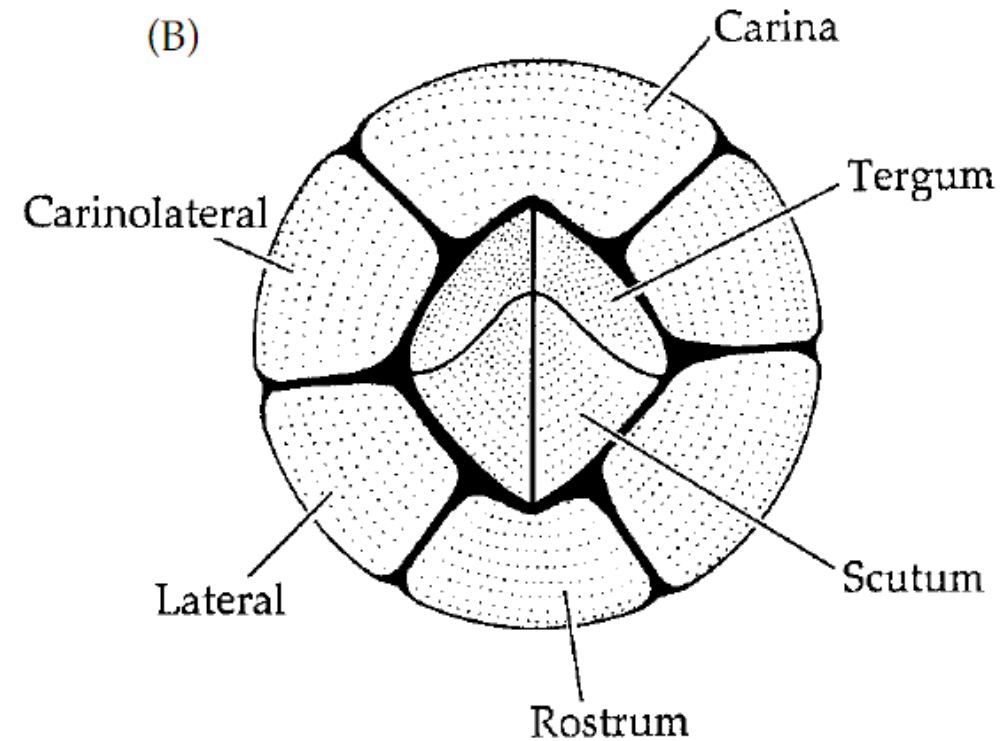


**Subo. Balanomorpha
(acorn barnacles)**

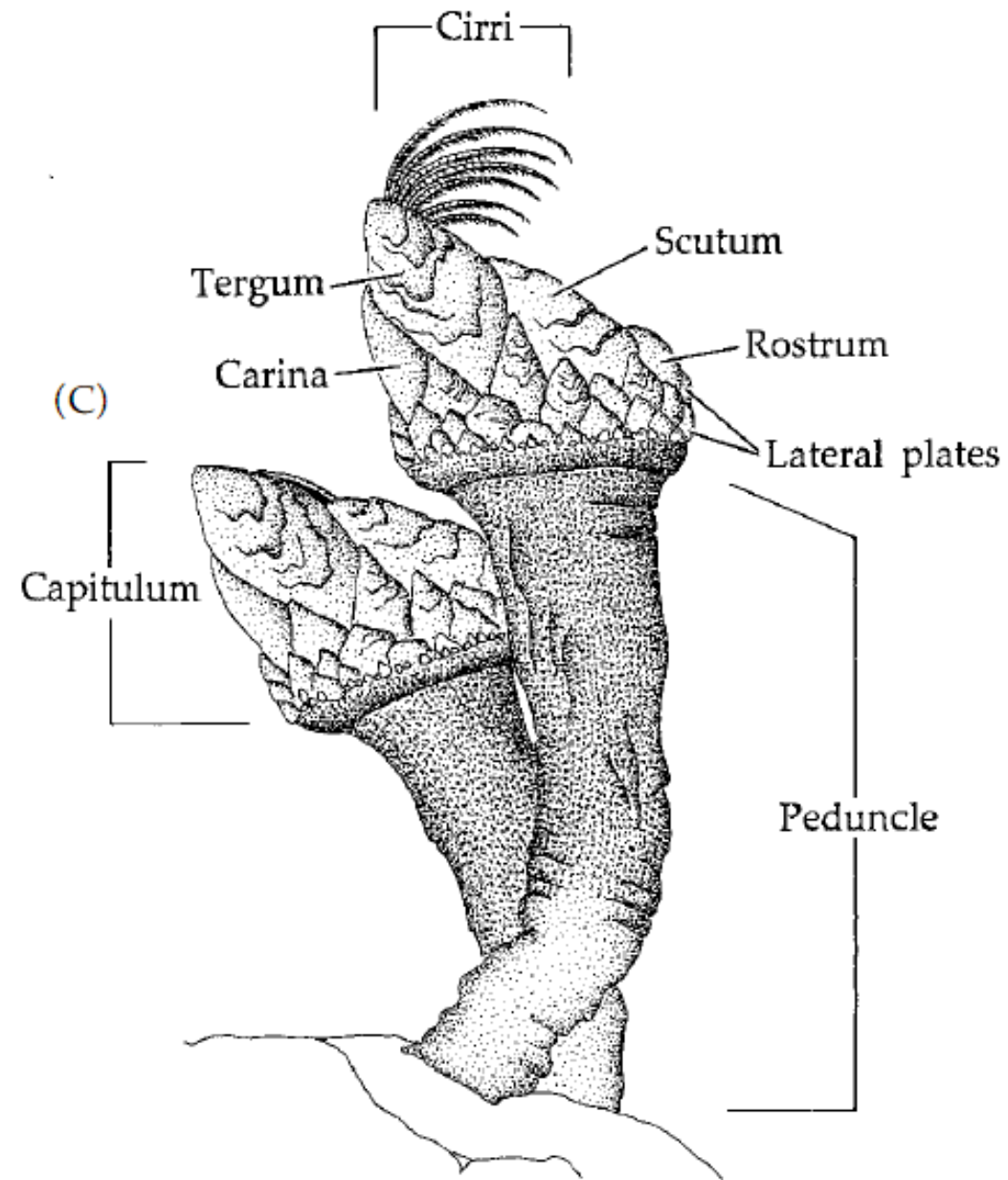


**Subo. Lepadomorpha
(stalked = goose barnacles)**

Subcl. Cirripedia O. Thoracica

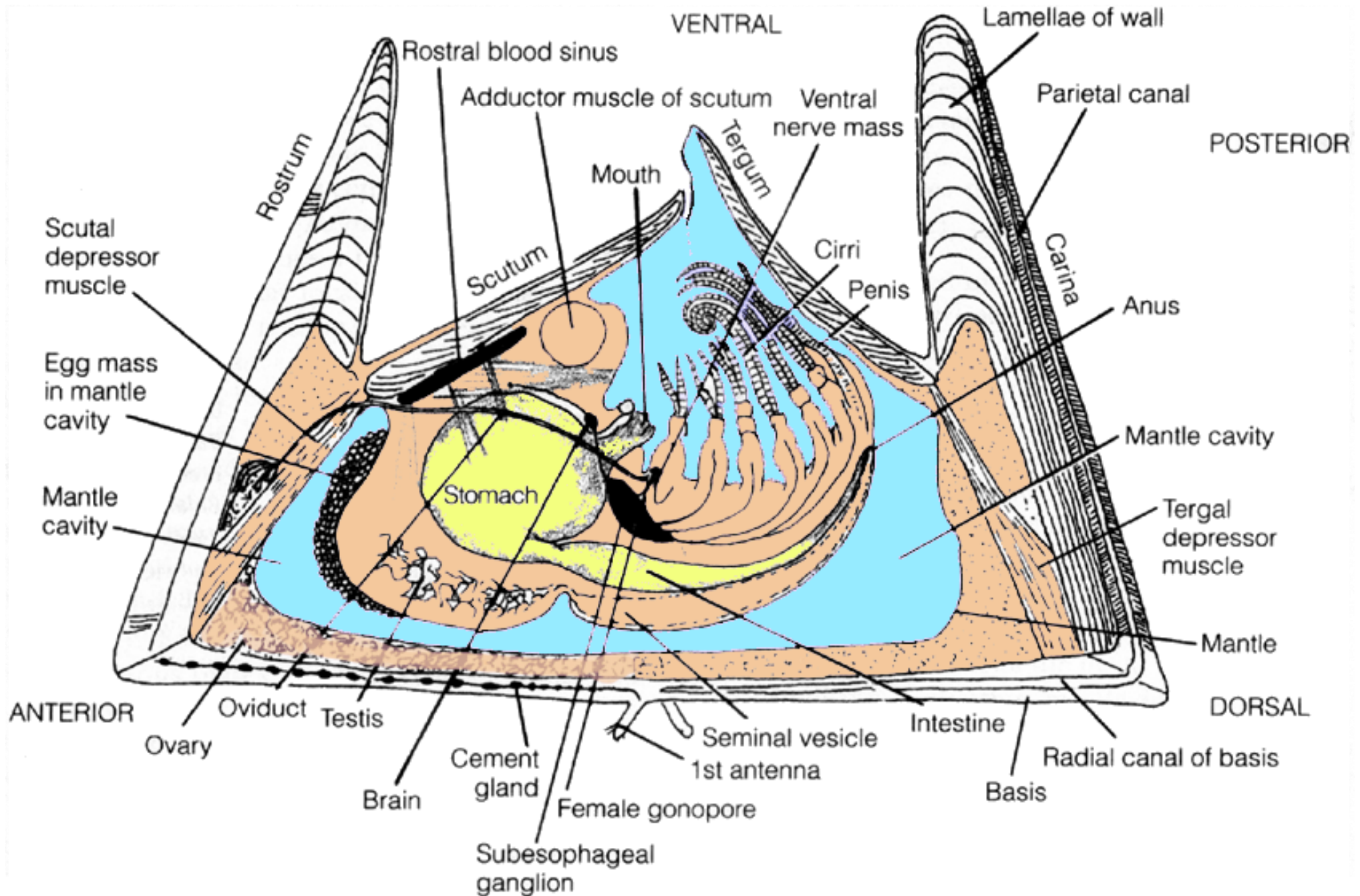


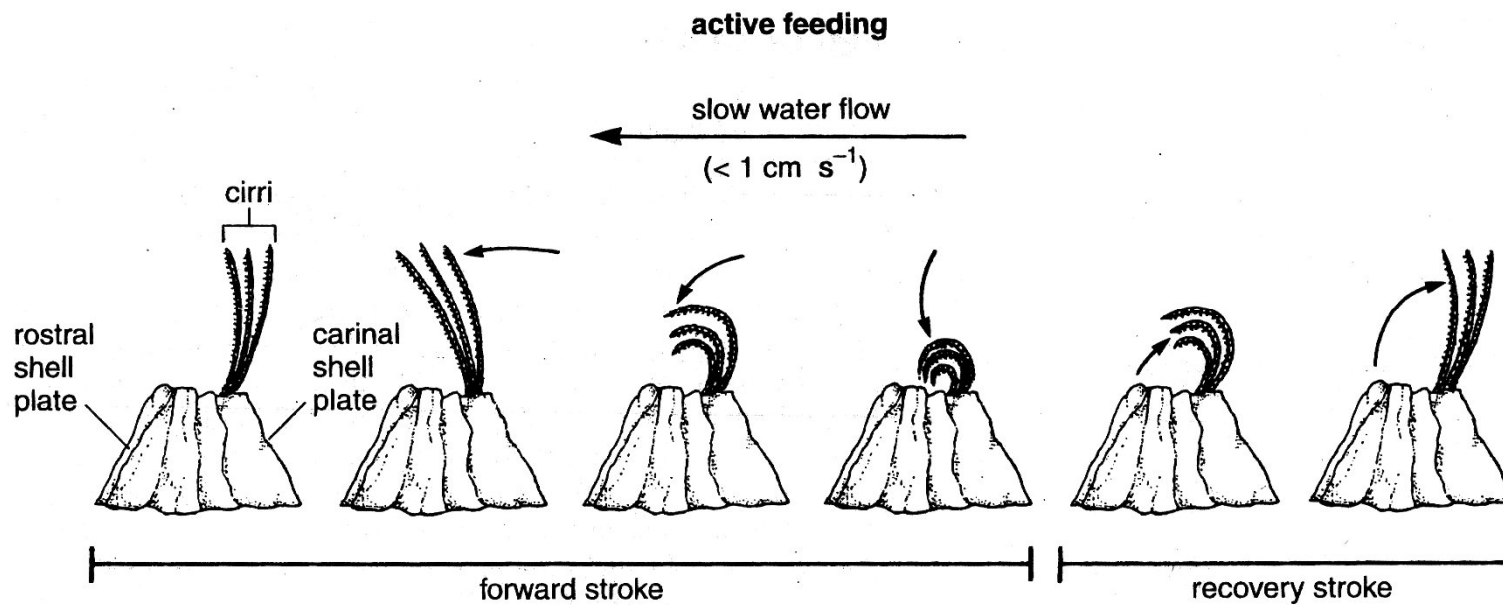
**Subo. Balanomorpha
(acorn barnacles)**



**Subo. Lepadomorpha
(stalked = goose barnacles)**

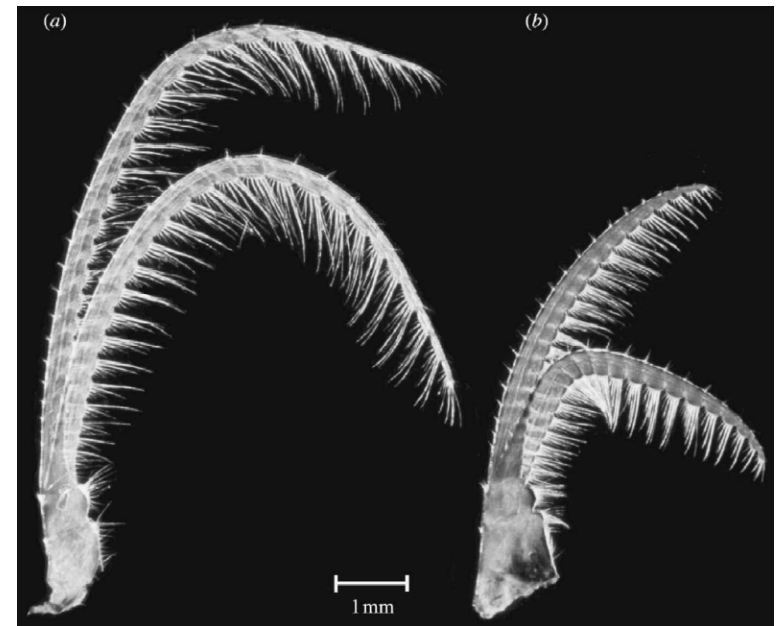
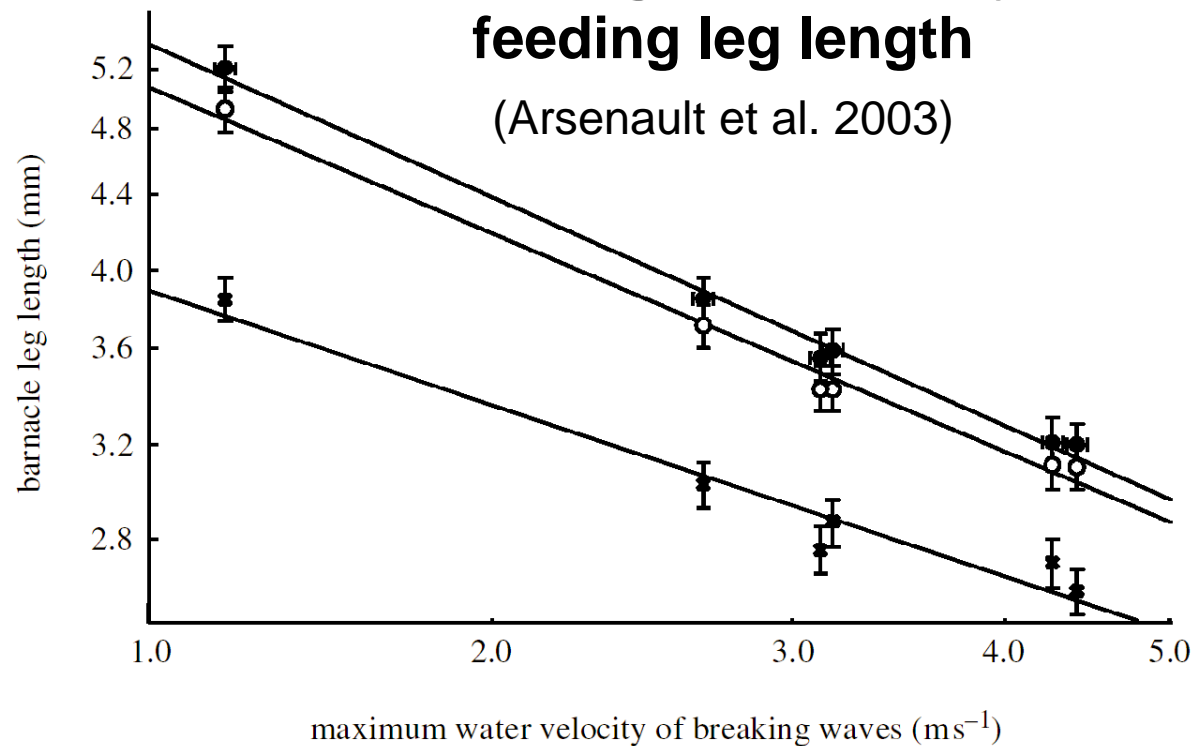
Balanomorph internal anatomy





Morphological plasticity in feeding leg length

(Arsenault et al. 2003)



See also: Smith & Palmer, Science 264:710



Larval stages

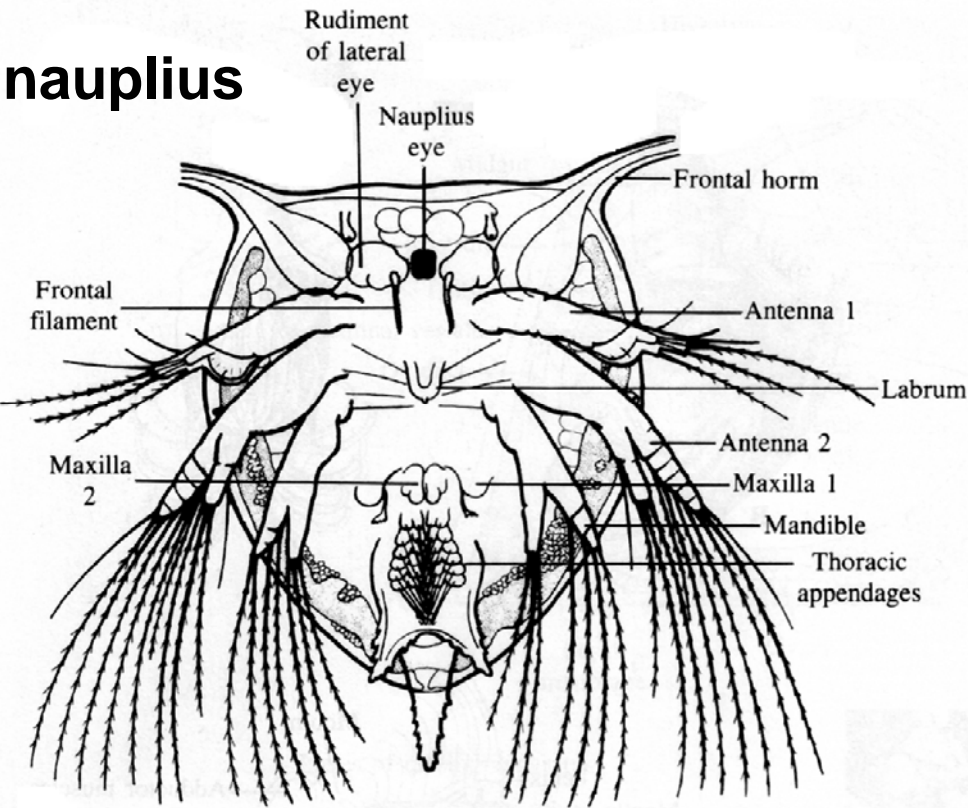
barnacle nauplius



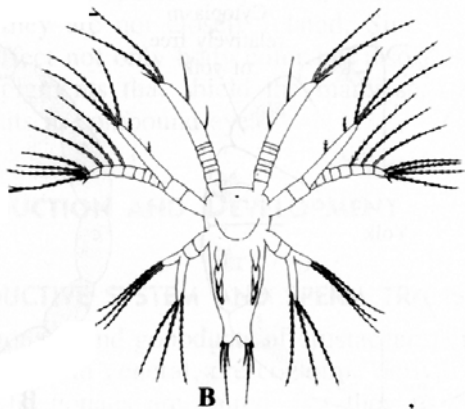
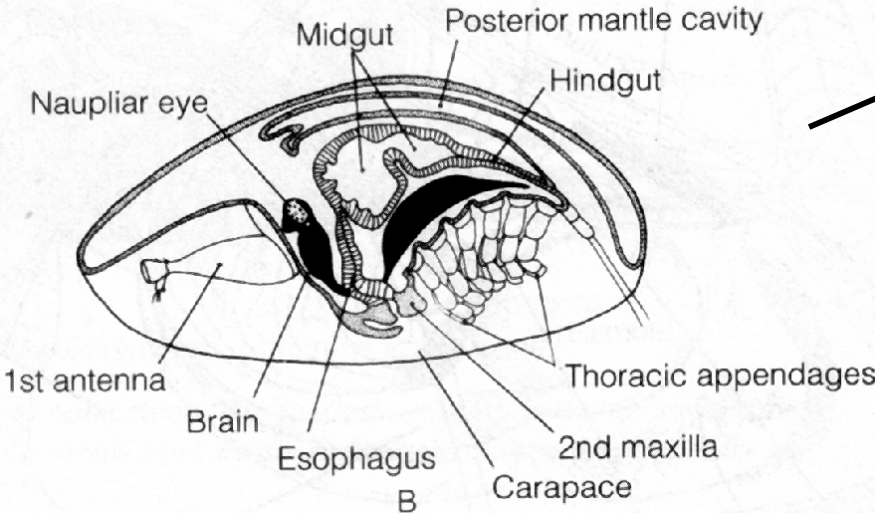
barnacle cyprid



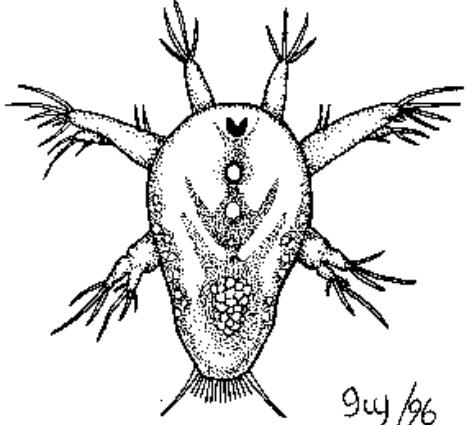
nauplius



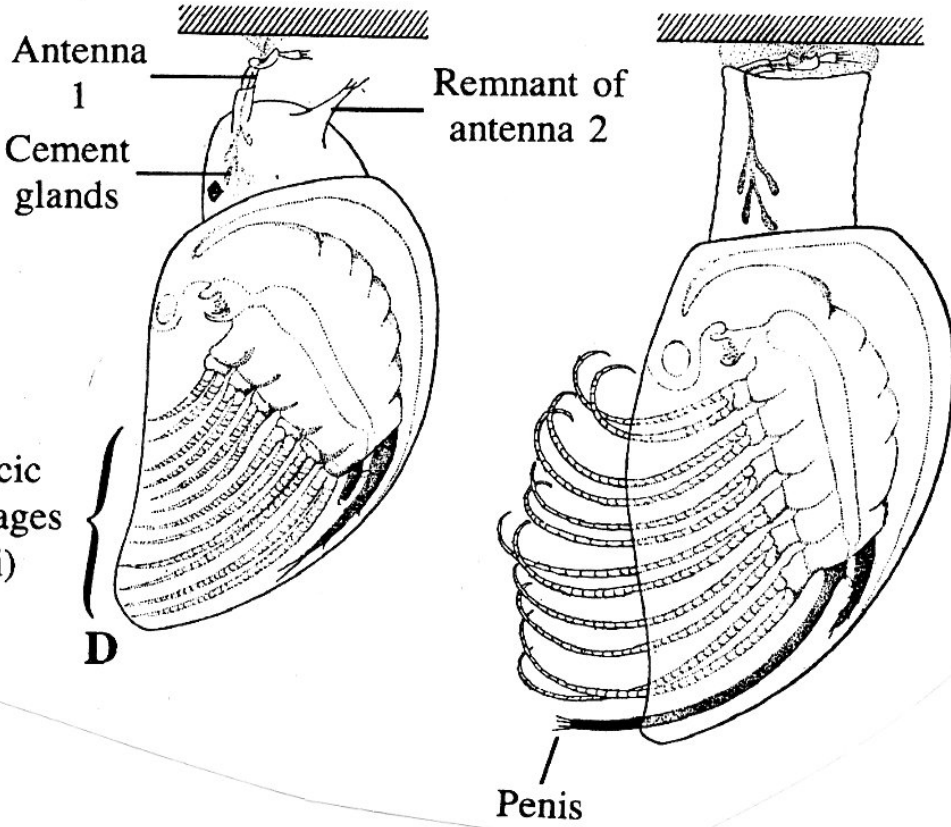
cyprid



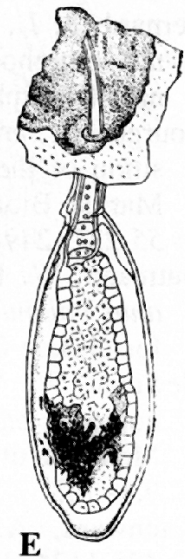
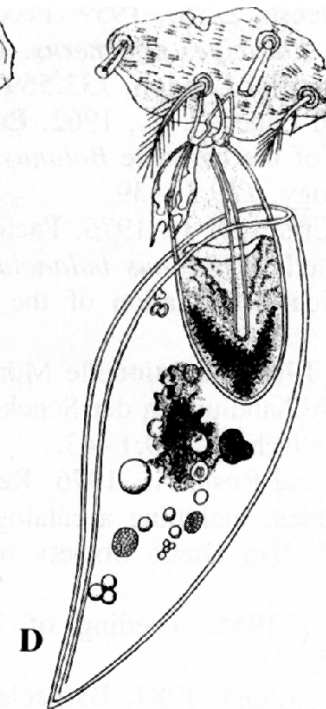
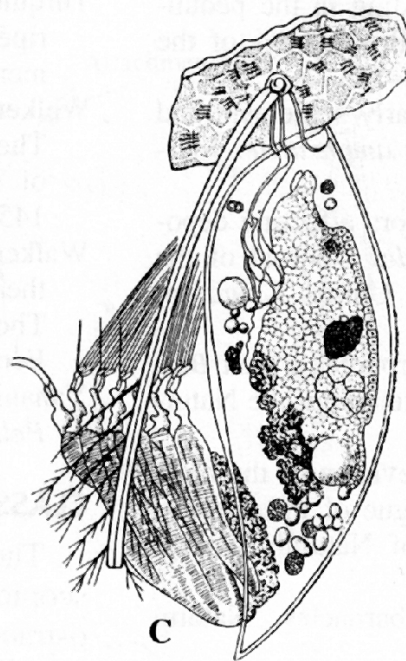
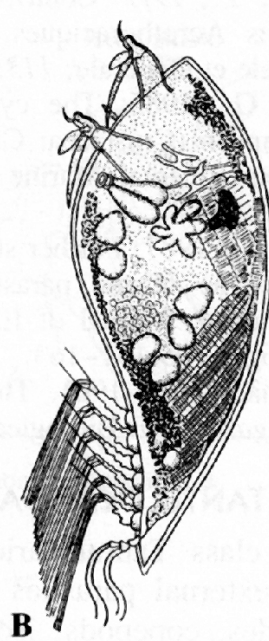
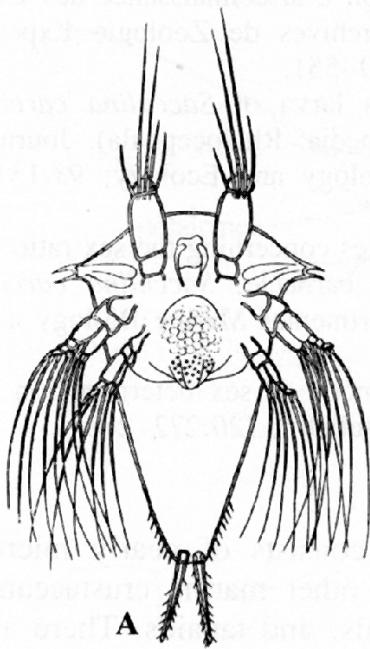
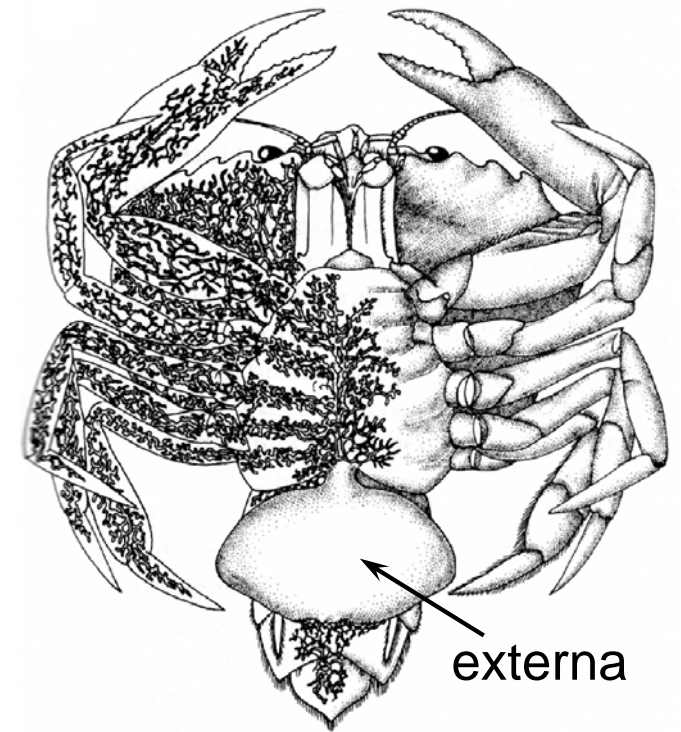
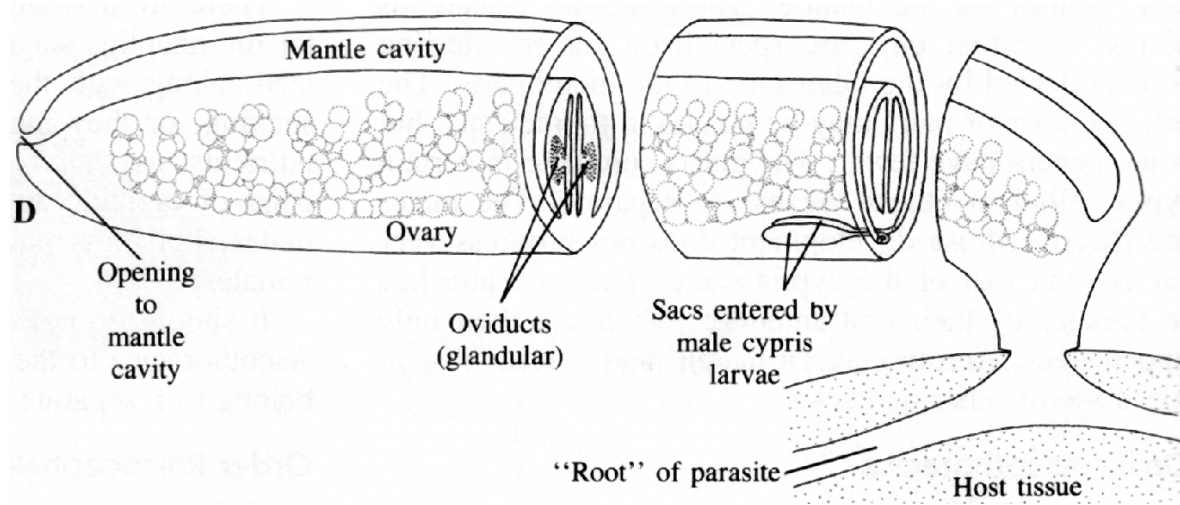
Paneid shrimp

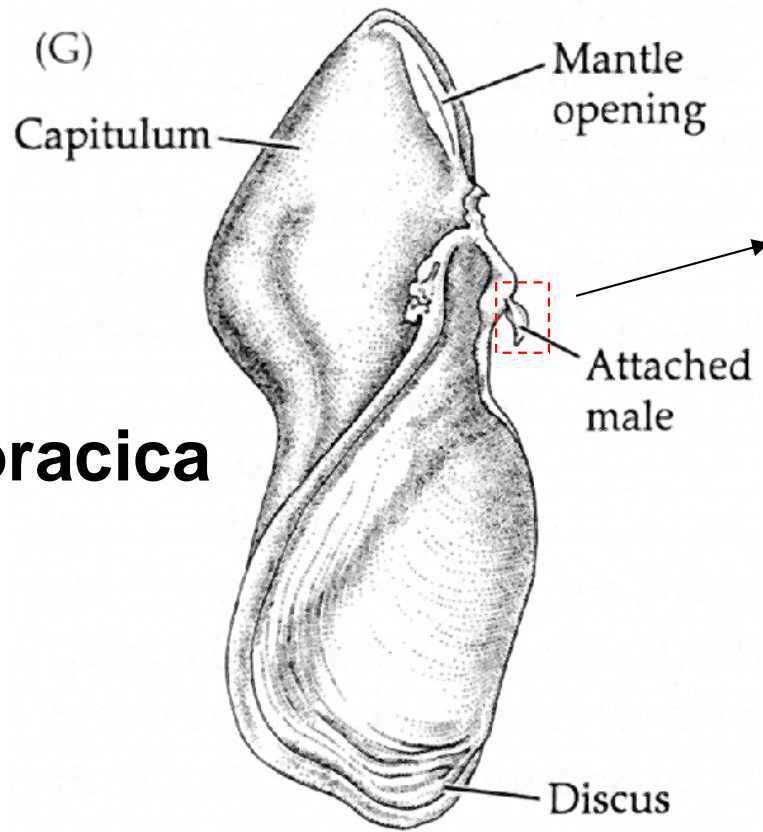


Copepod

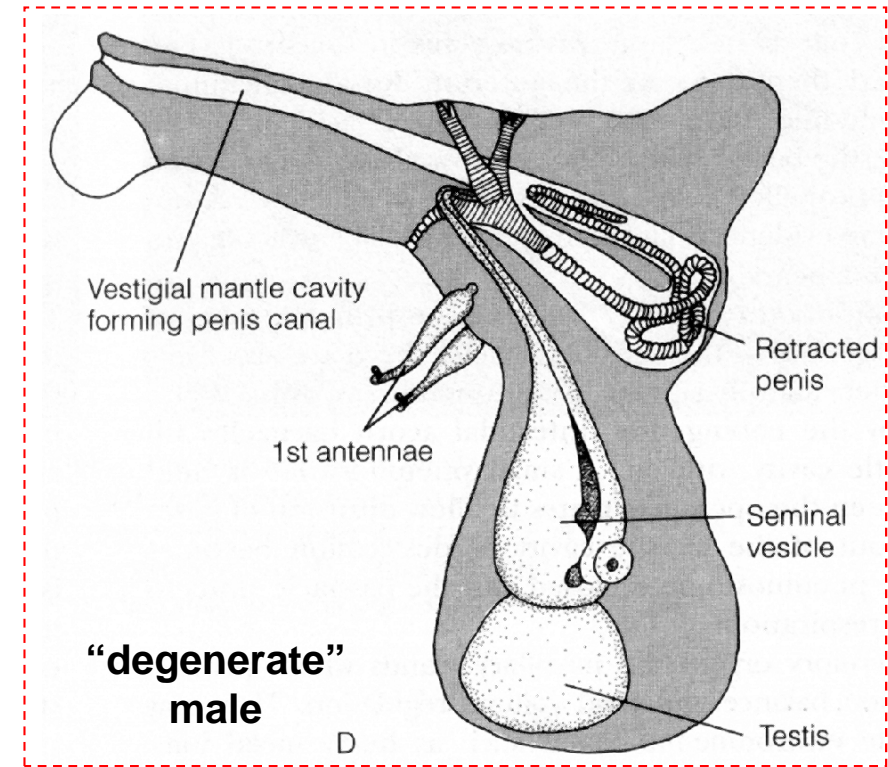


O. Rhizocephala

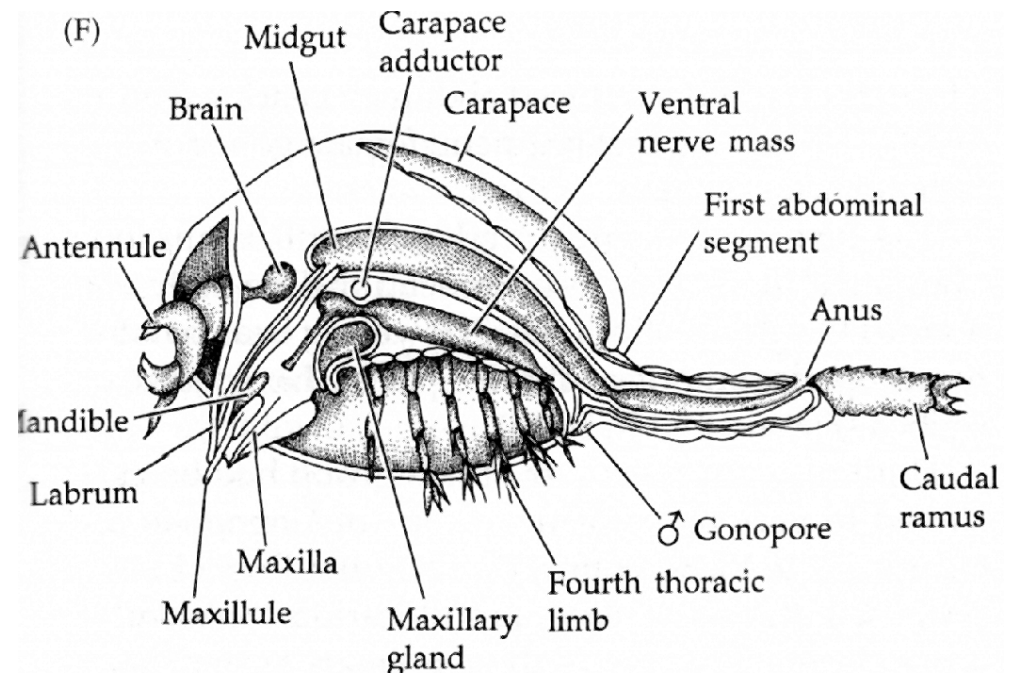
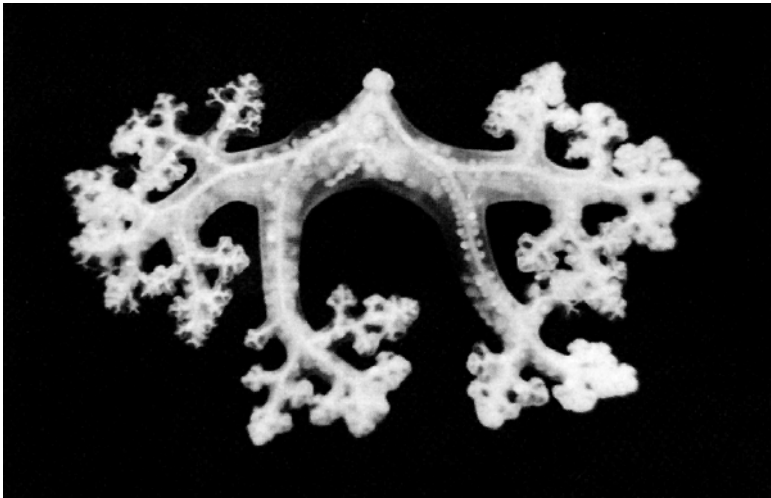




O. Acrothoracica



O. Ascothoracica



Subcl. Cirrepedia

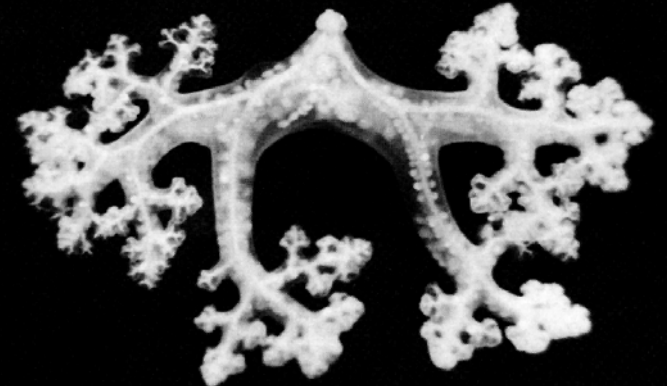
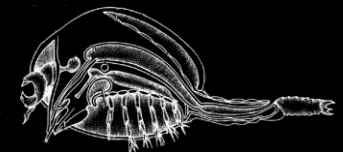


Acrothoracica
(acro="tip")

Thoracica

Rhizocephala
("root-head")

Ascothoracica
(asco = "bag")



- █ *cyprid*
- █ *loss of abdomen!*
- █ *parasitism!*
- █ *degenerate males!*
- █ *hermaphroditism!*
- ▨ *males??*