**Centralization (shortening) of the heart**

Labels: aorta, 6 ostia, heart. Boxed area: certain Diptera & mayflies.

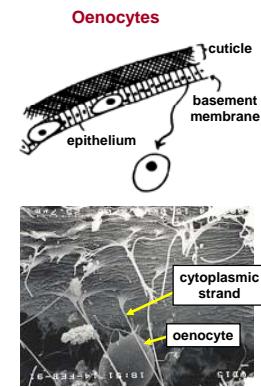
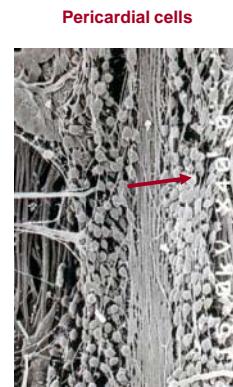
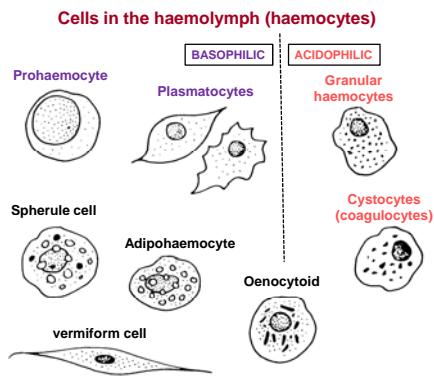
Number & placement of ostia; nature of alary muscles
Ex. = ancestral condition

Labels: aorta or dorsal vessel, segmental or lateral vessel, heart, incurrent ostium, dorsal diaphragm, tergo-sternal muscle, segmental or lateral vessel, alary (aliform) muscle.

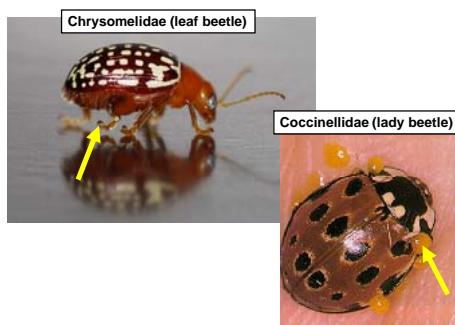
Haemopoietic organ ("lymph glands")

Labels: Prohaemocyte. Boxed area: Prohaemocyte.

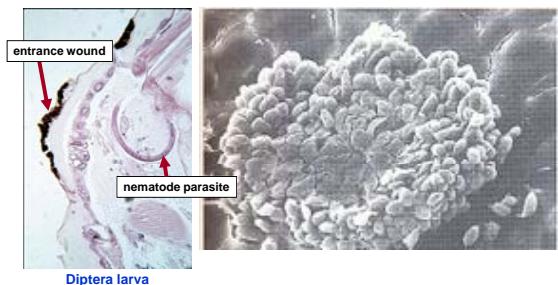
2



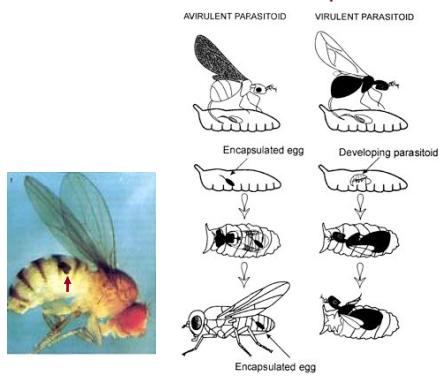
Blood function: reflex bleeding



Wound-healing and clotting



Immune function of blood: encapsulation



Hydrostatic functions of blood

