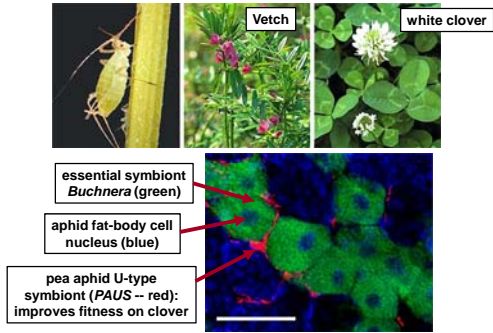
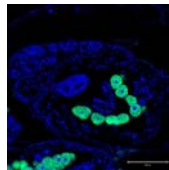
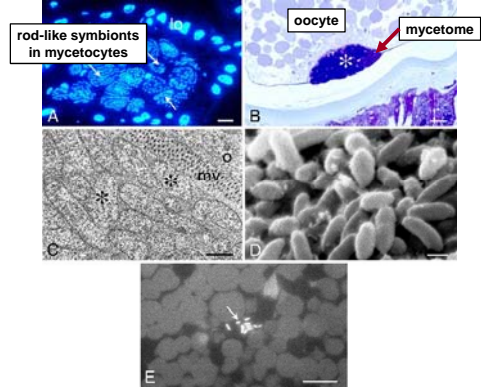


**Mycetocytes in the pea aphid, *Acyrtosiphon pisum***

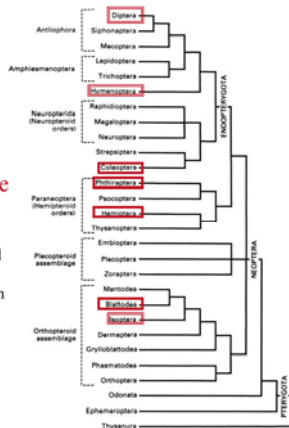


**Mycetocytes and mycetomes in Phthiraptera**



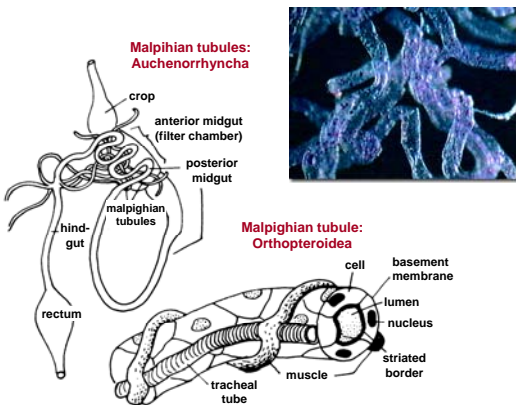
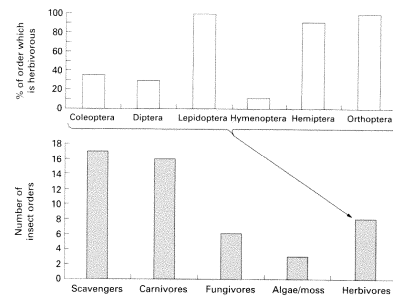
**Distribution of mycetocyte symbioses in insects**

- Widespread/universal
- Restricted distribution

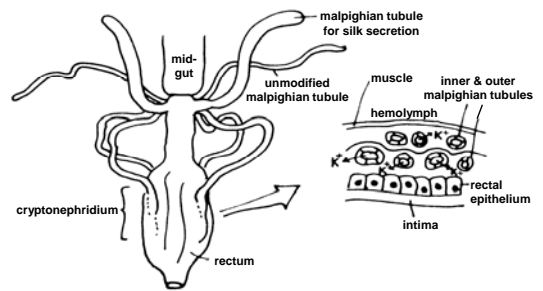


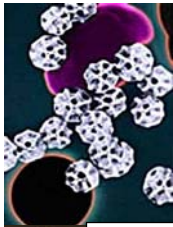
Cladogram of Gullan & Cranston (1994)

**Major feeding guilds in insects**

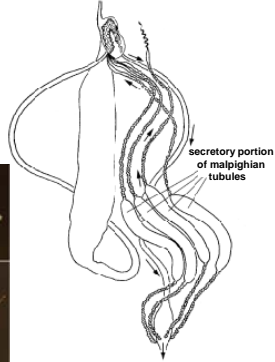
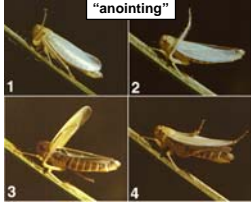


**Neuropteran larva: cryptonephridia**

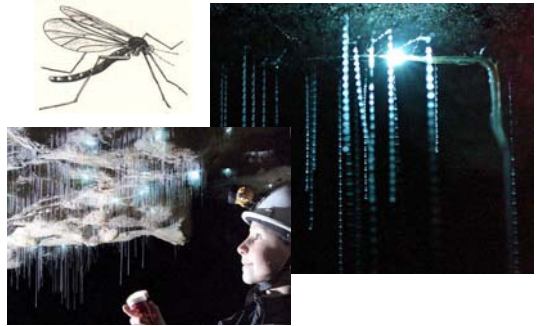




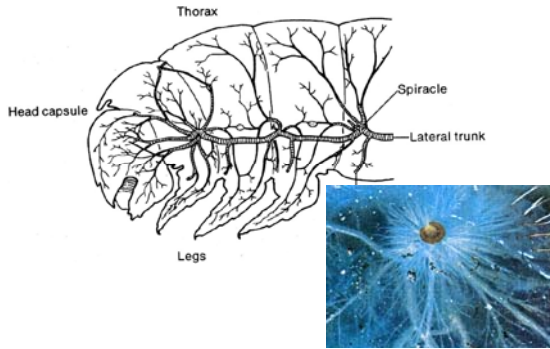
Leaf hoppers and brochosome production



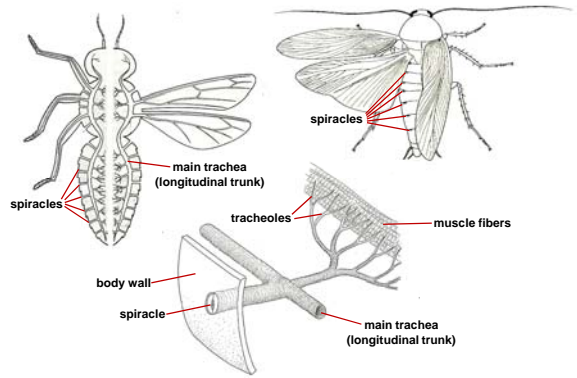
Bioluminescent malpighian tubules in the New Zealand Glowworm (Diptera: Mycetophilidae)



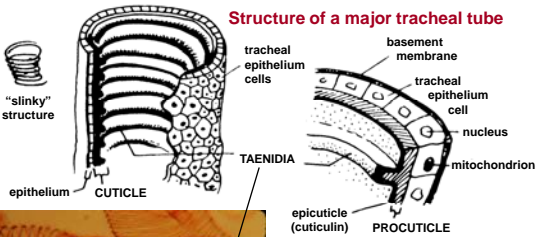
The respiratory (ventilatory) system of insects



Generalized layout of ventilatory system



Structure of a major tracheal tube



(tracheal mites in honey bee trachea)

A tracheal tube and its branches

