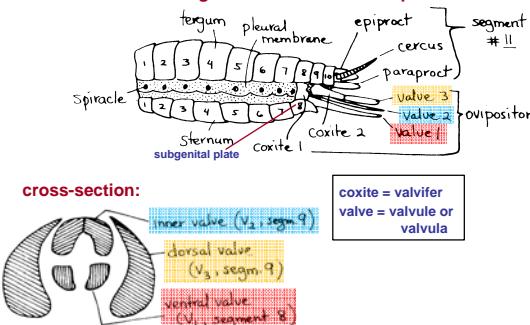
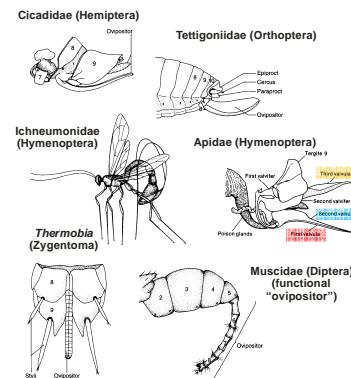


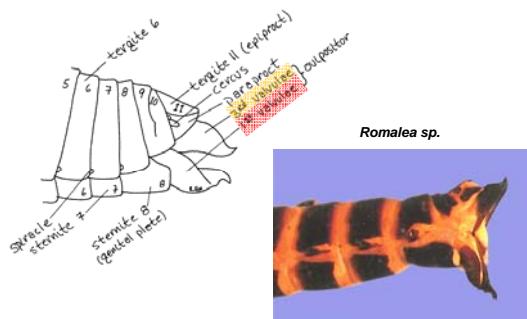
### Modifications of the genital abdomen: the ovipositor



### Ovipositors: variants on a theme



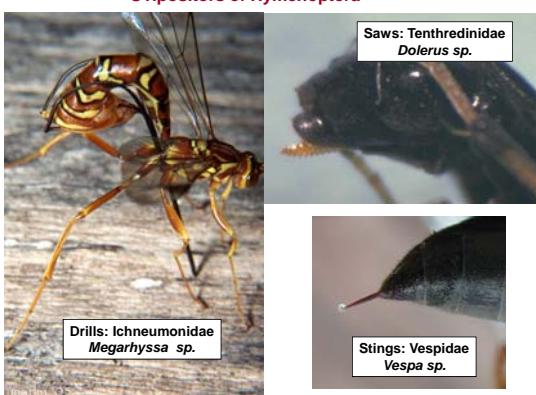
### Ovipositors: shovel type of Acrididae (Orthoptera)



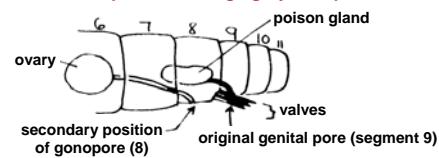
### Ovipositors: sword or saw of Tettigoniidae (Orthoptera)



### Ovipositors of Hymenoptera



### Ovipositor in stinging Hymenoptera



original genital pore (segment 9)

secondary position of gonopore (8)

valves

poison gland

ovary

TERGUM

rectum

epiphallus

uterus

ovipositor

genital pouch

sternite 7 (S7)

VENITAL

tergite 6

tergite 7

tergite 8

tergite 9

tergite 10

tergite 11

epiphallus

uterus

ovipositor

genital pouch

sternite 7 (S7)

VENITAL

tergite 6

tergite 7

tergite 8

tergite 9

tergite 10

tergite 11

epiphallus

uterus

ovipositor

genital pouch

sternite 7 (S7)

VENITAL

tergite 6

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epiphallus

uterus

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genital pouch

sternite 7 (S7)

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tergite 10

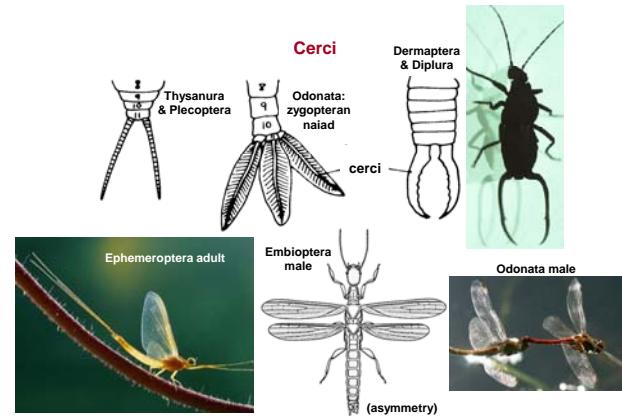
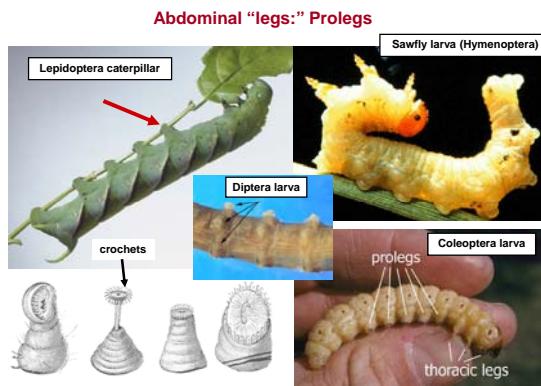
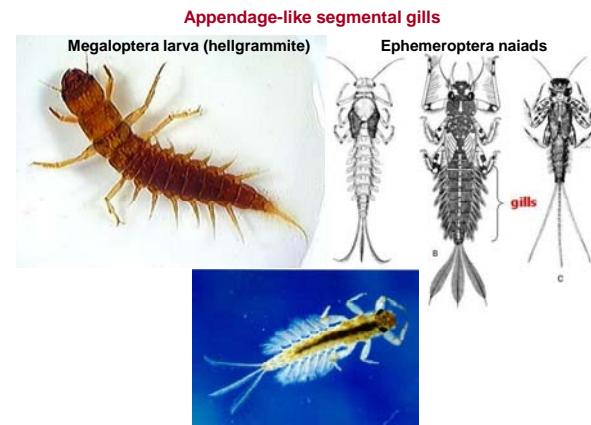
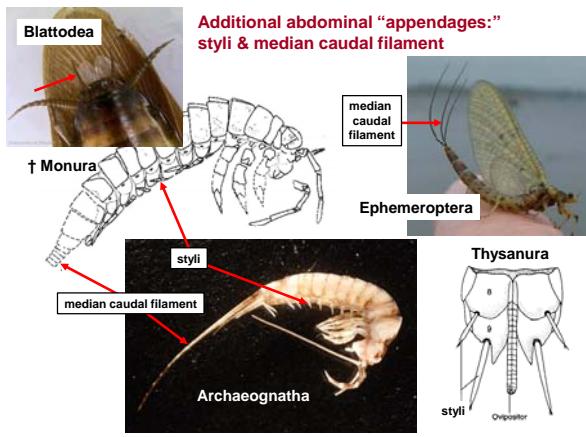
tergite 11

epiphallus

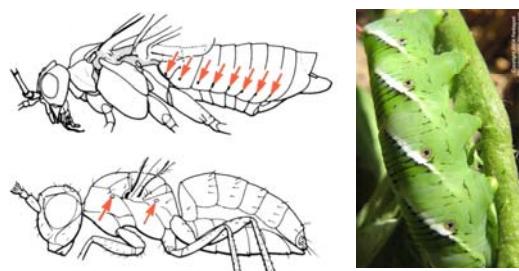
uterus

ovipositor

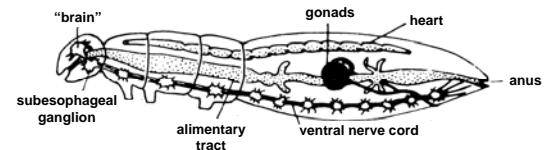
genital pouch



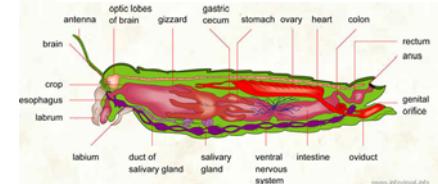
#### Abdominal spiracles

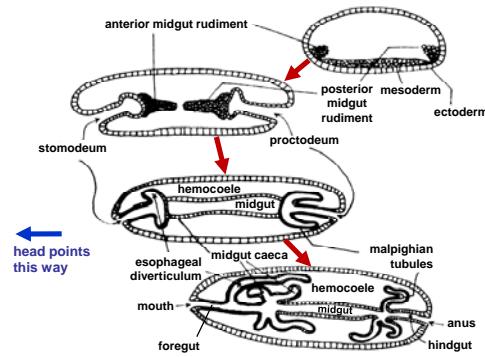
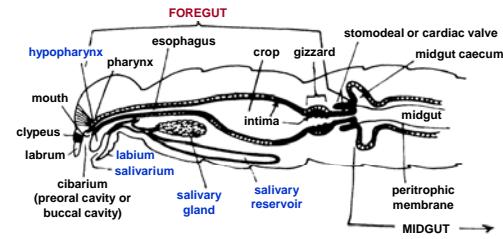
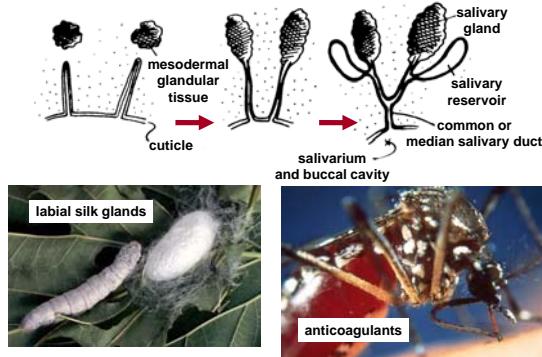
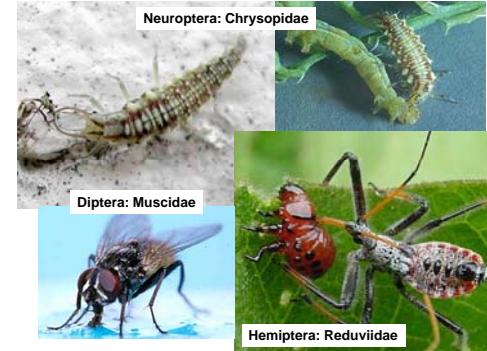
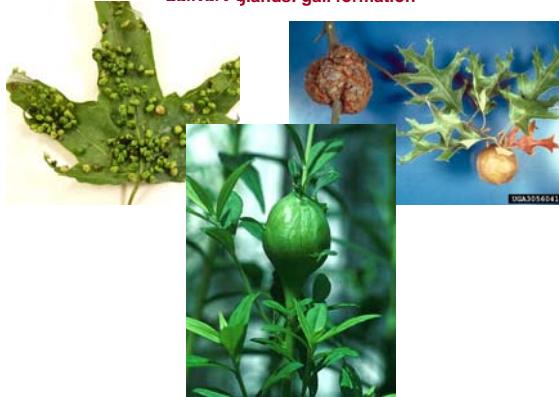


#### Internal anatomy of a generalized insect



#### Internal anatomy of a cricket



**Alimentary tract: ontogeny****Alimentary tract: the salivary glands****Salivary glands: ontogeny & specializations****Salivary glands: extra-oral digestion****Salivary glands: gall formation****Salivary glands: nuptial gifts in Panorpidae (Mecoptera)**