

Chap 11 Sec 4

shedding exoskeleton

grows new,
larger
exoskeleton

molting



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one of the jointed
appendages

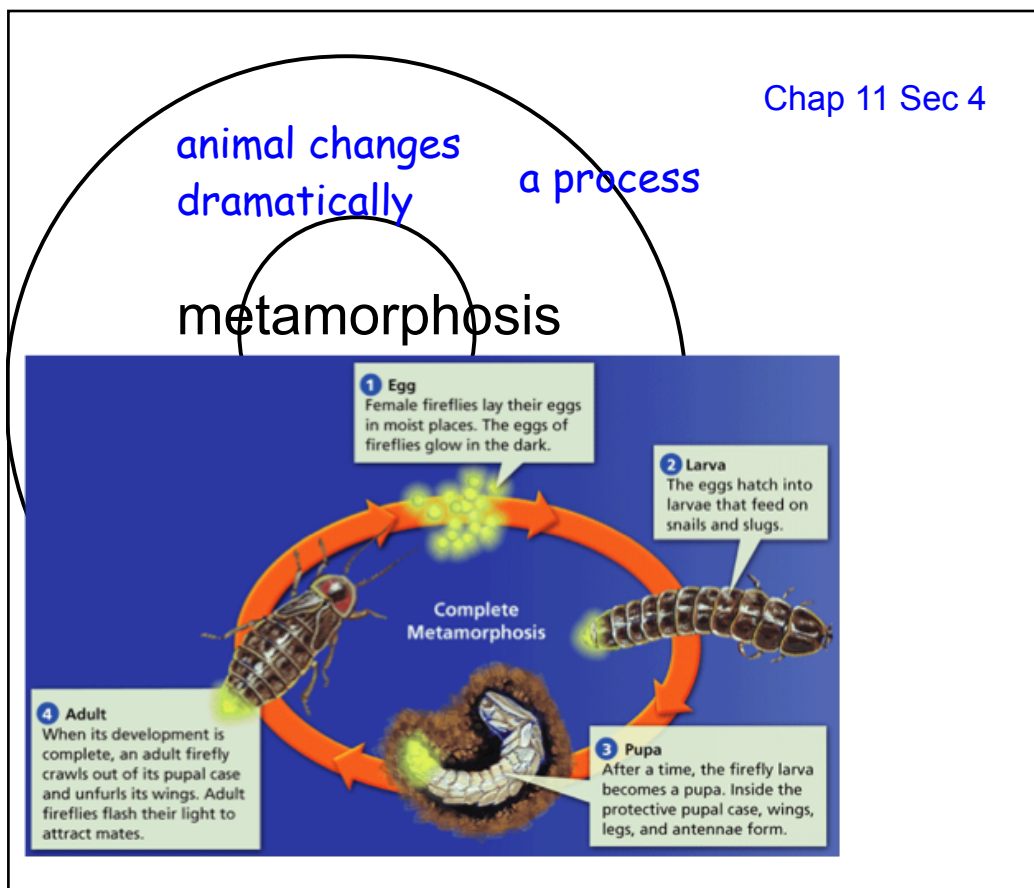
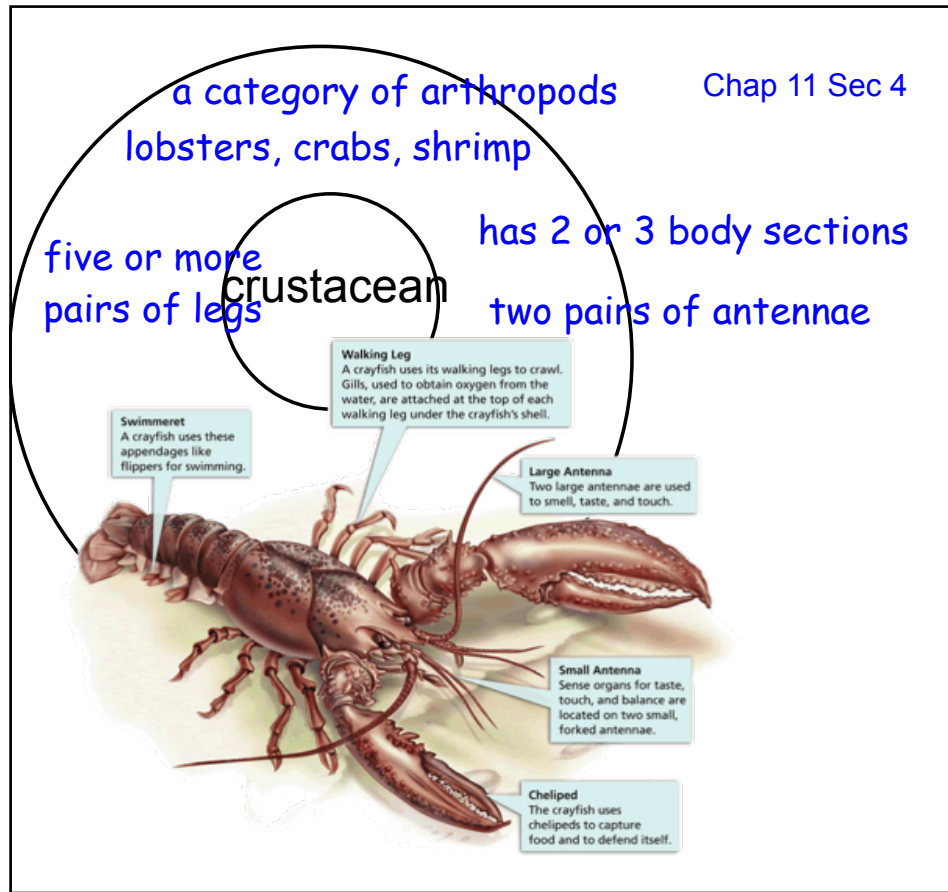
gives it flexibility

antenna

attached to the head

usually contains
sense organs





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a category of arthropods

spiders, mites, ticks
and scorpions

arachnid

4 pairs of legs

2 body sections

no antennae



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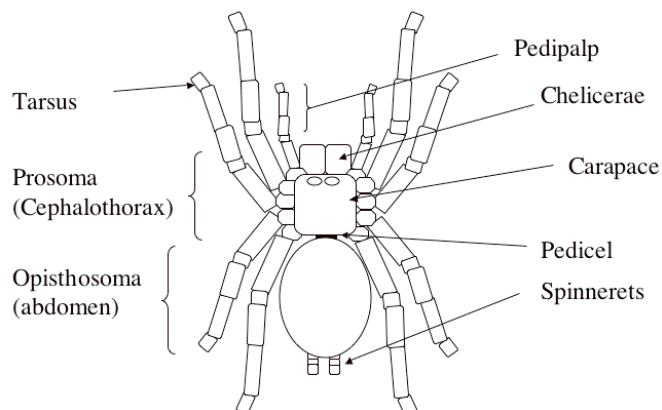
back section of arachnid

holds digestive
section

holds reproductive
organs

abdomen

Spider Anatomy (Dorsal)



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a category of arthropods

3 body sections

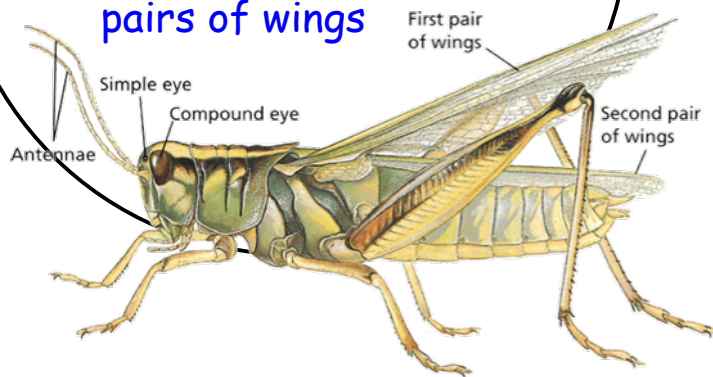
insect

6 pairs of legs

one pair of antennae

usually one or two

pairs of wings

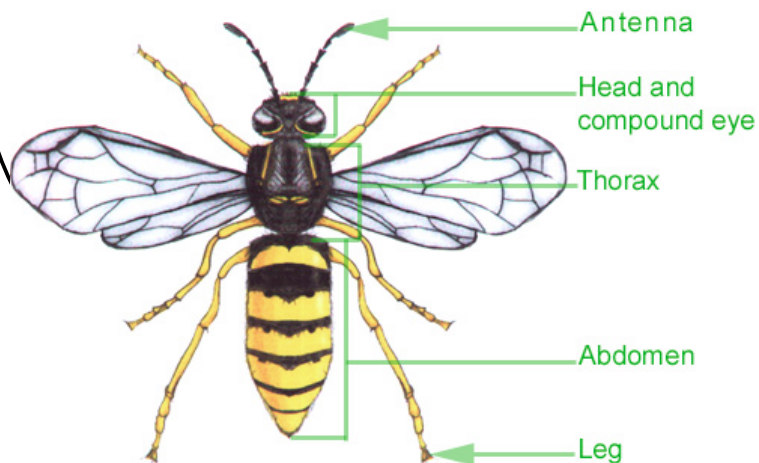


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middle section of insect

wings and legs attach
here

thorax



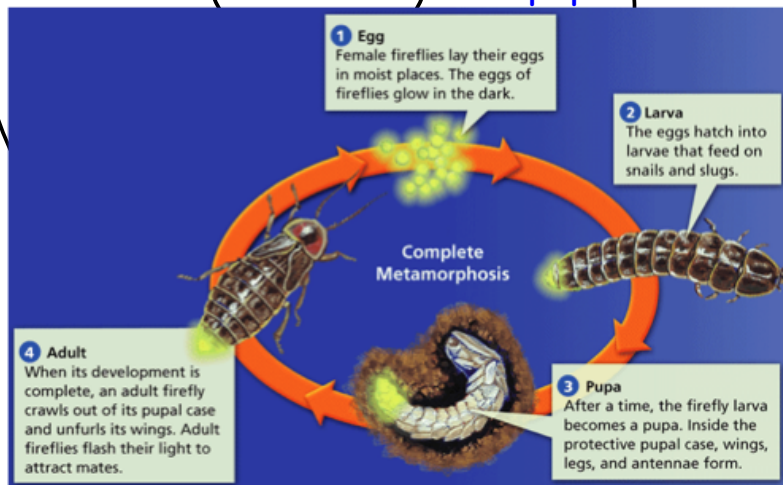
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a change with 4 stages

insects only

complete metamorphosis

eggs --> larva -->
pupa --> adult



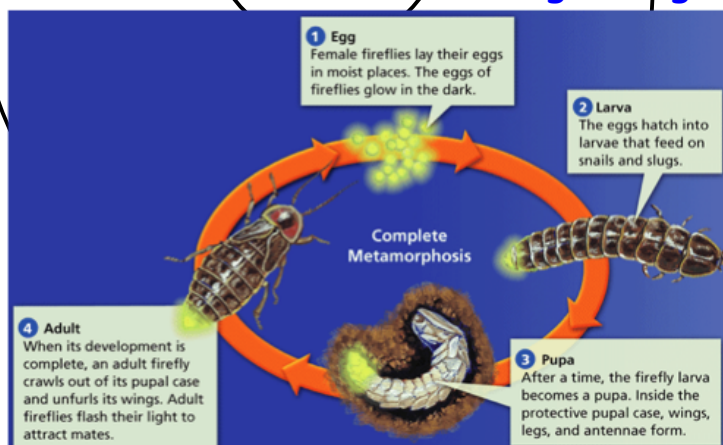
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comes after larva stage

usually looks like a worm

pupa

specialize in eating
and growing



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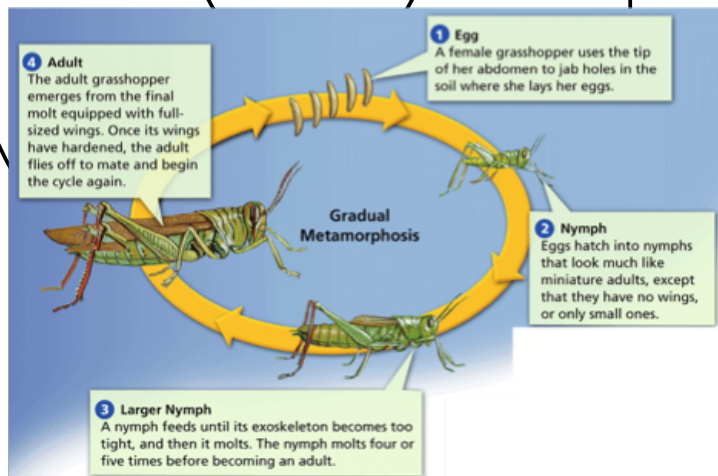
eggs hatch into nymphs

grasshoppers

no larva stage

gradual
metamorphosis

gradually grow into
adults



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baby adult stage

can't fly yet

nymph

usually molts 2 or 3
times before it can
fly

