Crayfish: Abdominal Region

Note: This art reflects material for advanced study. Number in () indicates total number of appendages of type.

Body Appendages (abdominal region)

swimmerettes [pleopods—pairs 1–5 (10)]

1st pleopod of male (2)  2nd pleopod of male (2)  3rd pleopod of male  2nd pleopod of female

sense organs

typical arthropod limb

pleopod pair (6) [uropod (2)]  antennule (2)

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Crayfish: Dorsal View

Crayfish
Dorsal View

- chela
- antennule
- antenna
- compound eye
- rostrum
- chelipod (periepod)
- "Head"
- "Thorax"
- walking legs (Periepods)
- cephalothorax
- abdomen
- pleuron of fifth abdominal segment
- carapace (over back of "Thorax")
- brachiosepal suture (line)
- tergum of fourth abdominal segment
- uropod
- telson

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**Crayfish: Mouth & Posterior Cephalothorax**

Crayfish
Body Appendages

Note: This art reflects material for advanced study
Number in () indicates total number of appendages of type.

**Mouth Part Appendages**

- palp (endopodite)
- biting ridge
- tooth
- mandible (2)
- maxilla (4)
- 1st maxilliped (2)

**Body Appendages (posterior cephalothorax)**
walking legs (peripods) (10)

- 2nd maxilliped (2)
- 3rd maxilliped (2)
- 2nd walking leg
  [Note cheliped (pincer) not illustrated]
Crayfish: Male Reproductive System

Crayfish
Lateral View—Internal Dissection

Male Reproductive System

green gland
digestive gland
gastric mill

heart
ostia
testis
vas deferens
Crayfish: Female Reproductive System

Crayfish
Lateral View—Internal Dissection

Female Reproductive System
Grasshopper: Lateral Aspect (Left Wings Removed)

Grasshopper
(Ramalea microptera)

Lateral aspect (left wings removed)

Body Regions

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Grasshopper: Lateral and Frontal Aspects of Head

Grasshopper
(Romalea microptera)

Lateral Aspect of Head

Frontal Aspect of Head
Grasshopper: Dorsal & Lateral and Ventral Aspects of Head and Thorax/Ventral Aspect of Thorax

Grasshopper
(Romalea microptera)

Dorsolateral and ventral aspects of the head and thorax

Ventral aspect of thorax

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Grasshopper: Dorsal Aspect of Ventral Dissection/Ventral Aspect of Dorsal Dissection

Grasshopper
(Romalea microptera)

Dorsal aspect of ventral dissection

- pharynx
- esophagus
- crop
- salivary gland
- gastric caeca
- tracheal trunk network
- adipose tissue
- spiracles
- malpighian tubules
- rectum
- anus

Ventral aspect of dorsal dissection

- dorsal musculature of head
- oblique muscles
- dorsoventral muscles
- wing attachment
- aorta
- heart
- dorsal vessel
- alary muscles
- heart

Digestive, tracheal, and reproductive systems (right ovary removed)

Circulatory and muscular systems

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