

Key Words

Arthropoda

Part I

Arthropoda phylogeny
Ecdysozoa
Metamerism
Tagmatization
Tagma
Head
Thorax
Abdomen
Serial appendages
Arthropoda Taxonomy
Sub-Phylum Trilobitomorpha
Sub-Phylum Chelicerata
Sub-Phylum Myriapoda
Sub-Phylum Crustacea
Sub-Phylum Hexapoda
Exoskeleton
Cuticle
Chitin
Cuticle layers
Hypodermis
Seta
Secretory pore canals
Epicuticle
Wax
Lipids
Procuticle
Endocuticle
Exocuticle
Scerification
Calcium deposits
Modifications
Articulations
Cuticle folds
Muscle attachment
Hinges
Articular membranes
Flexor muscles
Extensor muscles

Ecdysis
Molting
Molting gel
Dissolve endocuticle
Nutrient reabsorption
Production of new cuticle
Mitosis for cell division
Secretion of epicuticle
Class Merostomata
Horse shoe crabs
Prosoma
Opisthosoma
Carapace
Chelicera
Pedipalp
Walking legs
Genital operculum
Gill operculum
Book gills
Class Arachnida
Order Aranea
Spiders
Fang
Coxa
Trochanter
Femur
Patella
Tibia
Metatarsals
Tarsus
Claw
Epigynum
Lung slit
Spinnerets
Silk glands
Silk protein
Web construction
Other uses of silk
Anal papilla
Sternum
Pedipalp
Book lung
lamellae
Open circulatory system

Sense organs
Sensilla
Vibrations
Simple eye
Ocellus
Excretion
Coxal glands
Filtration membrane
Accessory gland
Malpighian tubules
Stereocoral pocket
Active transport
Passive transport
Uric acid
Foregut
Midgut
Hindgut
Venomous spiders
Black Widow
Brown Recluse
Haemolytic
Necrotic
Extra-corporal digestion
Order Scorpionida
Dorsal shield
Median eye
Lateral eye
Pedipalps
Pincers
Preabdomen
Postabdomen
Tail
Abdominal sting
Order Acarina
Dust mites
Free-living
Scavengers
Ticks
Ectoparasites
Haematophagous
Disease transmission
Lyme disease
Sub-Phylum Myriapoda
Class Diplopoda

Millipedes
Head
Trunk
Collum
Eye
Antenna
Mandible
Maxilla
Class Chilopoda
Centipedes
Eye
Antenna
1st maxilla
2nd maxilla
Maxillipede
Venom gland

Part II

Crustacea body plan
Cephalothorax
Abdomen
Compound eye
1st antenna
2nd antenna
Mandible
1st maxilla
2nd maxilla
Maxillipeds
Pereopods
Pereon
Pleopods
Pleon
Uropod
Telson
Biramous appendages
Protopodite
Endopodite
Exopodite
Epipodites
Endites
Setae
Crayfish anatomy
Cheliped

Sternum
Anus
Carapace
Rostrum
Modifications of biramous appendages
Internal anatomy
Foregut
Stomach
Digestive gland
Midgut
Intestine
Hindgut
Anus
Supraesophageal ganglion
Subesophageal ganglion
Ventral nerve cord
Heart
Hemolymph
Extensor muscles
Flexor muscles
Gill respiration
Branchial chamber
Antennal gland
Green gland
Labyrinth
Nephridial canal
Bladder
Excretory pore
Sub-Phylum Hexapoda
Class Insecta
Compound eye
Antenna
Ocelli
Labrum
Mandible
Maxilla
Labium
Prothoracic leg
Mesothoracic leg
Metathoracic leg
Forewing
Hindwing
Prothorax
Mesothorax

Metathorax
Spiracles
Cercus
Genital organs
Evolution of flight
Direct flight muscles
Basalar muscles
Dorsoventral muscle
Modification of thorax shape
Synchronous flight
Indirect flight muscles
Dorsoventral muscles
Longitudinal muscles
Asynchronous flight
Mouthparts
Labrum
Mandible
Maxilla
Maxillary palps
Labium
Labial palps
Hypopharynx
Modified mouthparts
Fluid feeders
Internal anatomy
Supraesophageal ganglion
Ventral nerve cord
Segment ganglia
Crop
Gizzard
Proventriculus
Gastric caeca
Intestine
Malpighian tubules
Rectum
Anus
Dioecy
Ovary
Seminal receptacle
Oviduct
Genital chamber
Ovipositor
Open circulatory system
Dorsal heart

Dorsal aorta
Oviposition
Parasitoid wasp
Predatory coccinellid
Tracheal system
Spiracles
Valves
Hydrophobic hairs
Trachea
Tracheoles
Tracheole fluid
Gas diffusion
Nervous system
Abdominal ganglia
Optic lobe
Protocerebral ganglia
Georeceptor
Equilibrium organ
Non-motile cilia
Statolith
Sensilla
Pores in seta
Dendrite endings
Nerve axon
Tympanic membrane
Tympanum
Tympanal cavity
Sound reception
Sound production
Cricket
File and scraper system
Cicada
Tympanic membrane system
Insect vision
Compound eye
Ommatidium
Cuticular lens
Crystalline cone
Rhabdome
Retinula cells
Pigment cells
Nerve fiber
Light wavelengths
Colour vision

Tri-chromatic vision
Colour receptors
UV colour reflectance patterns
Metamorphosis
Ametabolous
Hemimetabolous
Egg
Nymphs
Adult
Wing development
Sexual maturation
Gradual metamorphosis
Holometabolous
Egg
Larva
Larval instars
Pupa
Cocoon
Adult
Pollinator insects
Honey bee
Haplodiploid sex determination
Female workers
Pollen collection
Body hairs
Leg combs
Grooming
Pollen sacs
Colony collapse disorder
Conservation of insect pollinators