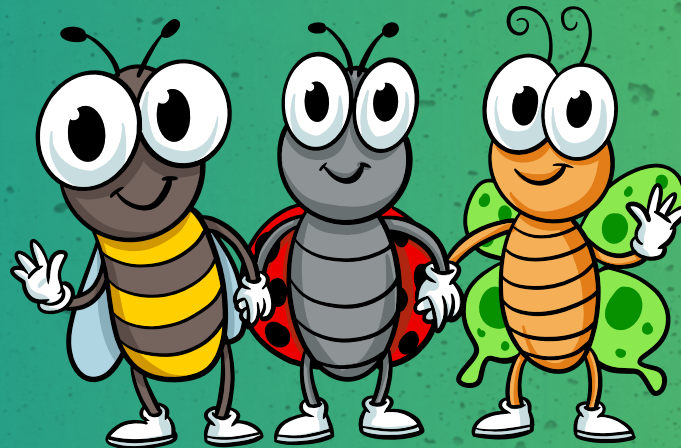


JUNIOR

ENTOMOLOGY

STUDY GUIDE



(Revised 2025)

Novice Contestants

You will identify 25 insects by their ***common name***.

Each correct name is worth 4 points - a total of 100 points possible.

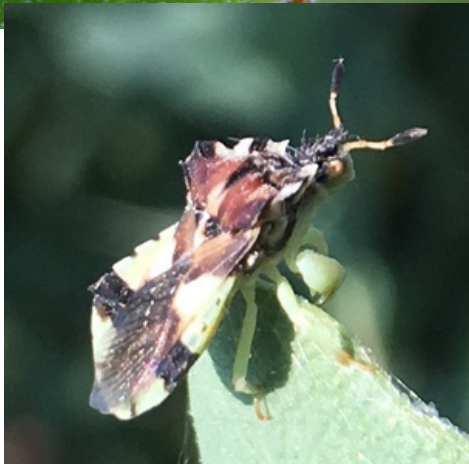
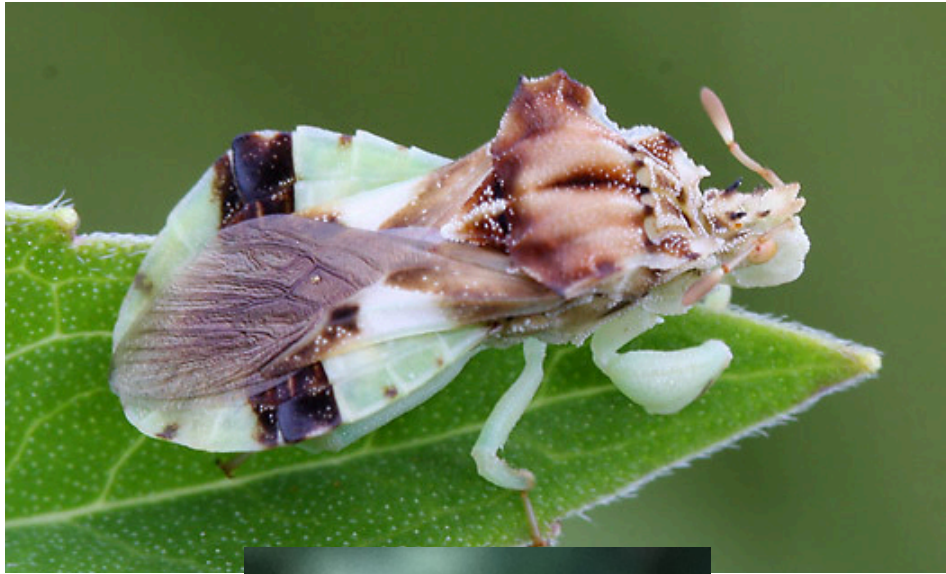
Twenty-five minutes will be allowed for identification.

Junior Contestants

You will identify 25 insects by their ***common name*** and ***give their type of***

mouthparts. Each correct name is worth 4 points and each correct mouthpart is worth 2 points - a total of 150 points possible. Twenty-five minutes will be allowed for name identification and another twenty-five

minutes allowed for mouthparts.



Common Name:

AMBUSH BUG

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

HEMIPTERA

Mouthparts:

SUCKING



Common Name:

AMERICAN COCKROACH

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

BLATTARIA

Mouthparts:

CHEWING



Common Name:

ANT

Class:

INSECTA

Order:

HYMENOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

ANTLION

Class:

INSECTA

Order:

NEUROPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

APHID

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

HOMOPTERA

Mouthparts:

SUCKING



Common Name:

ASSASSIN BUG

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

HEMIPTERA

Mouthparts:

SUCKING



Common Name:

BACKSWIMMER

Class:

INSECTA

Metamorphosis:

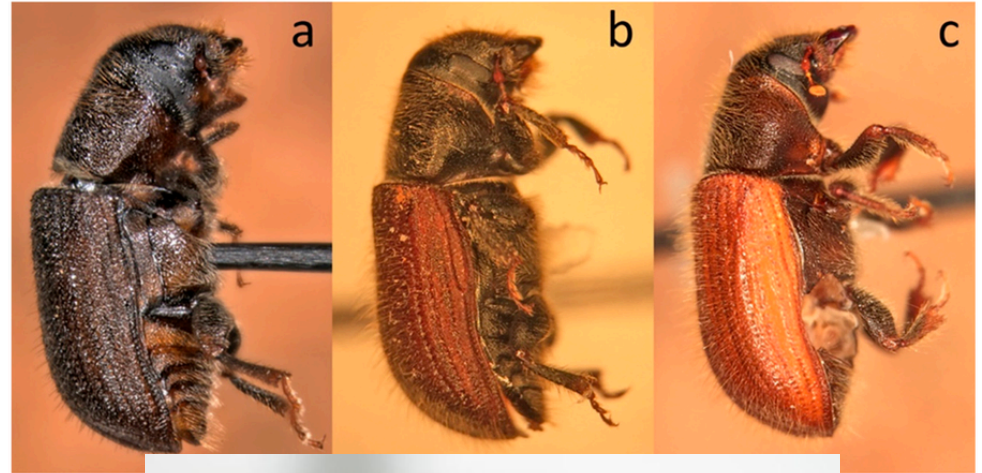
SIMPLE

Order:

HEMIPTERA

Mouthparts:

SUCKING



Common Name:

BARK BEETLE

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

COLEOPTERA

Mouthparts:

CHEWING



Common Name:

BEE FLY

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

DIPTERA

Mouthparts:

SUCKING



Common Name:

BLACK FLY

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

DIPTERA

Mouthparts:

SUCKING



Common Name:

BLISTER BEETLE

Class:

INSECTA

Order:

COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

BLOW FLY

Class:

INSECTA

Order:

DIPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

BRACONID WASP

Class:

INSECTA

Order:

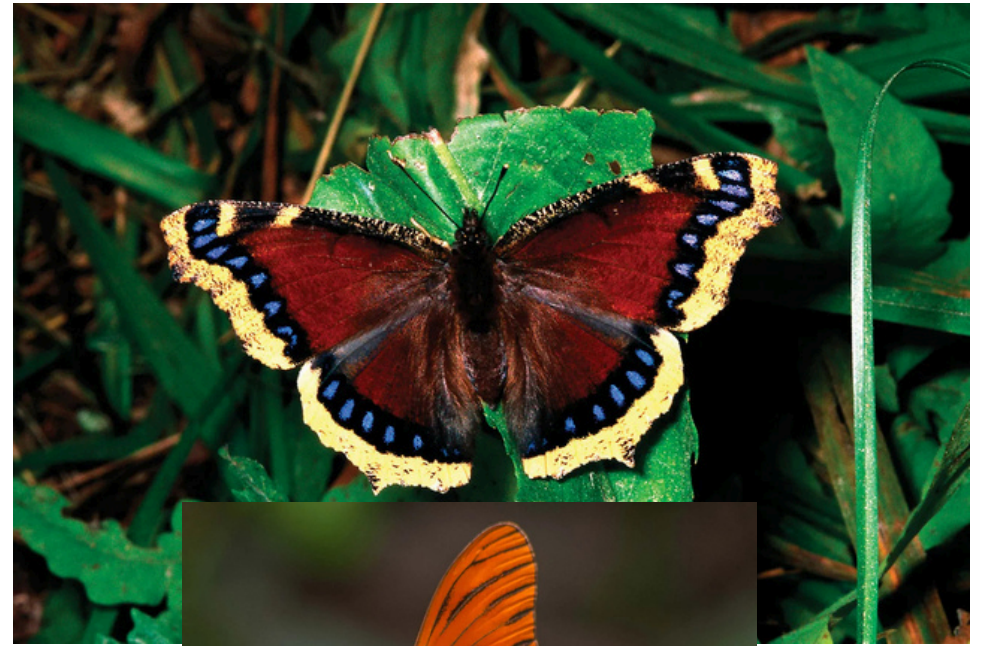
HYENOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

BRUSH-FOOTED BUTTERFLY

Class:

INSECTA

Order:

LEPIDOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

CAMEL CRICKET

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

ORTHOPTERA

Mouthparts:

CHEWING



Common Name:

CARRION BEETLE

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

COLEOPTERA

Mouthparts:

CHEWING



Common Name:

CENTIPEDE

Class:

CHILOPODA

Order:

SCOLOPENDROMORPHA

Metamorphosis:

NONE

Mouthparts:

CHEWING



Common Name:

CHALCIDID WASP

Class:

INSECA

Order:

HYMENOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

CHECKERED BEETLE

Class:

INSECA

Order:

COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

CICADA

Class:

INSECA

Order:

HOMOPTERA

Metamorphosis:

SIMPLE

Mouthparts:

SUCKING



Common Name:

CLICK BEETLE

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

COLEOPTERA

Mouthparts:

CHEWING



Common Name:

CRICKET

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

ORTHOPTERA

Mouthparts:

CHEWING





Common Name:

DAMSEL BUG

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

HEMIPTERA

Mouthparts:

SUCKING



Common Name:

DAMSELFLY

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

ODONATA

Mouthparts:

CHEWING



Common Name:

DARKLING BEETLE

Class:

INSECTA

Order:

COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

DERMESTID BEETLE

Class:

INSECTA

Order:

COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

DIVING BEETLE

Class:

INSECTA

Order:

COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

DRAGONFLY

Class:

INSECTA

Order:

ODONATA

Metamorphosis:

SIMPLE

Mouthparts:

CHEWING



Common Name:

EARWIG

Class:

INSECTA

Metamorphosis:

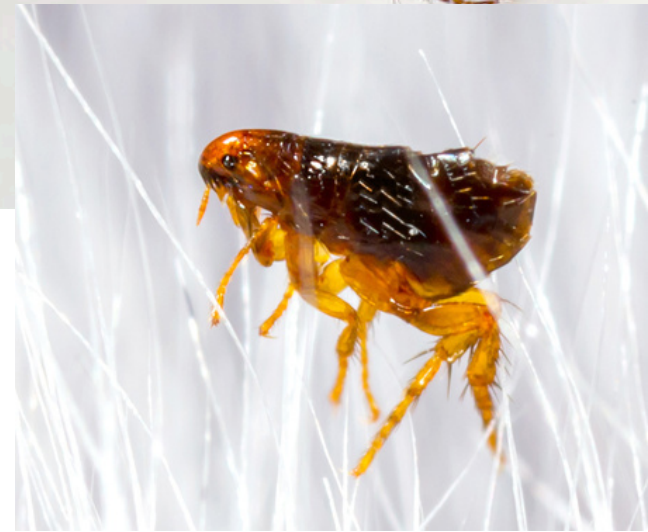
SIMPLE

Order:

DERMAPTERA

Mouthparts:

CHEWING



Common Name:

FLEA

Class:

INSECTA

Metamorphosis:

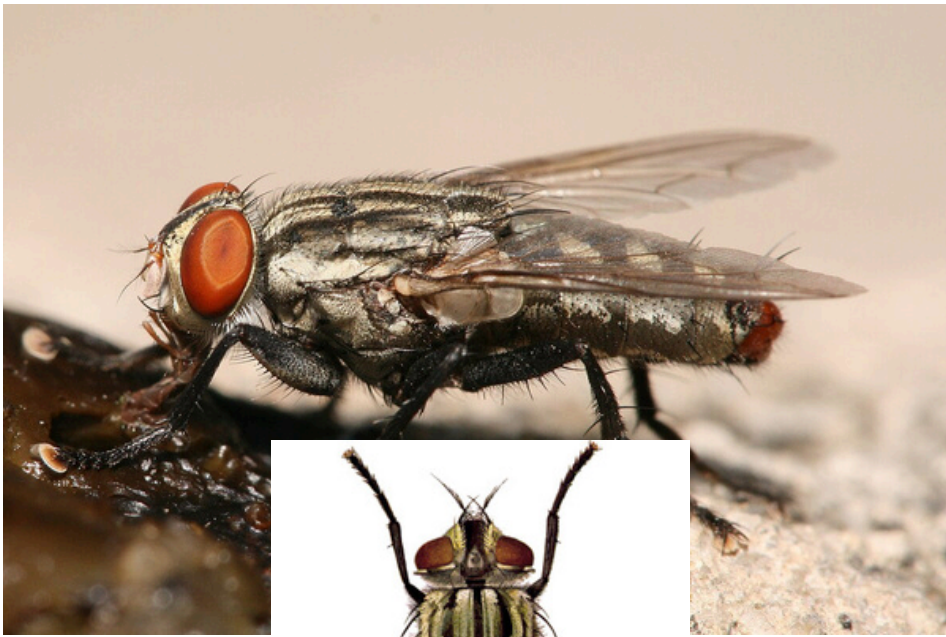
COMPLETE

Order:

SIPHONAPTERA

Mouthparts:

SUCKING



Common Name:

FLESH FLY

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

DIPTERA

Mouthparts:

SUCKING



Common Name:

GEOMETER MOTH

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

LEPIDOPTERA

Mouthparts:

SUCKING



Common Name:

GERMAN COCKROACH

Class:

INSECTA

Metamorphosis:

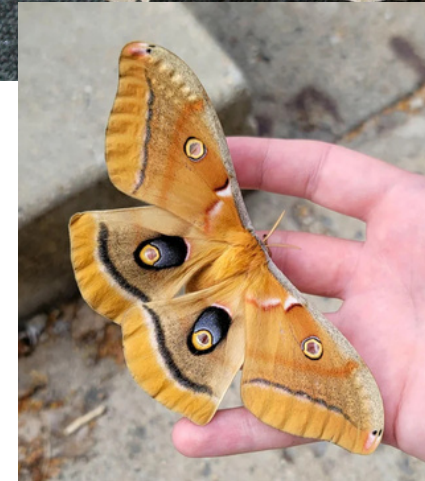
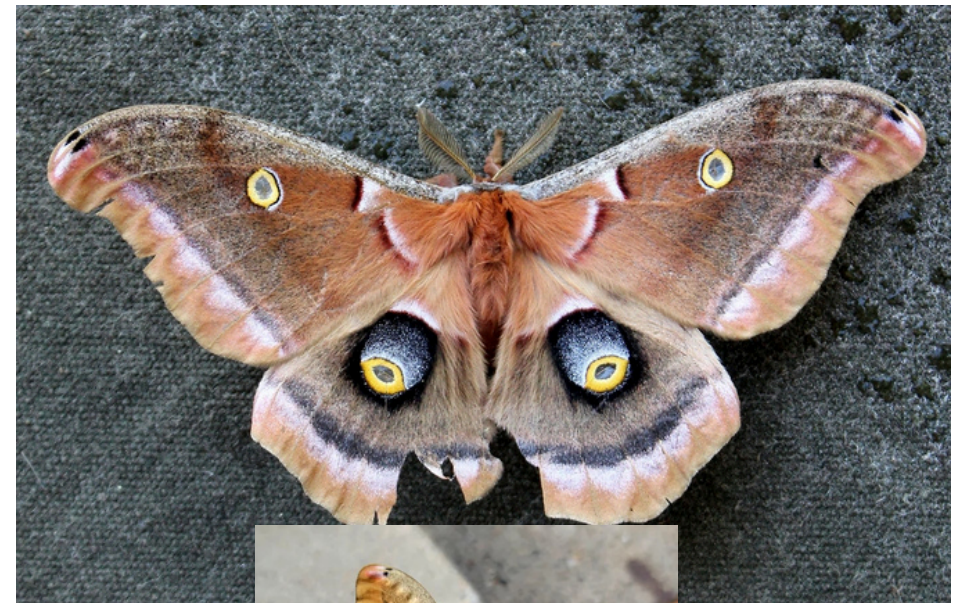
SIMPLE

Order:

BLATTARIA

Mouthparts:

CHEWING



Common Name:

GIANT SILKWORM MOTH

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

LEPIDOPTERA

Mouthparts:

SUCKING



Common Name:

GOSSAMER-WINGER

Class:

INSECTA BUTTERFLY

Order:

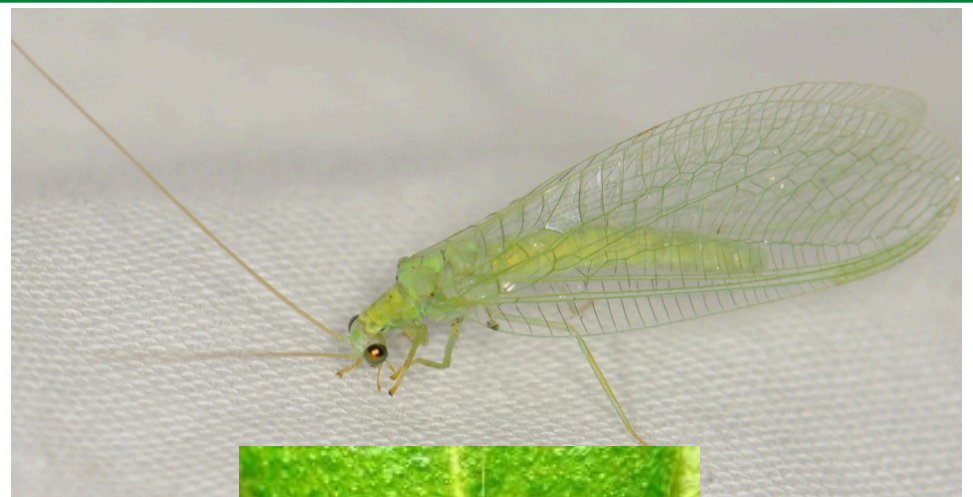
LEPIDOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

GREEN LACEWING

Class:

INSECTA

Order:

NEUROPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

GROUND BEETLE

Class:

INSECTA

Order:

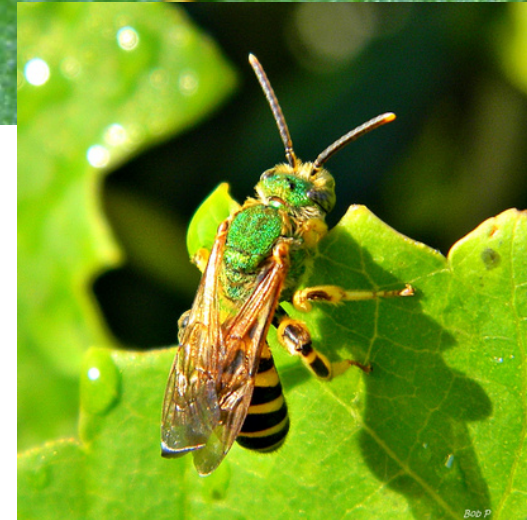
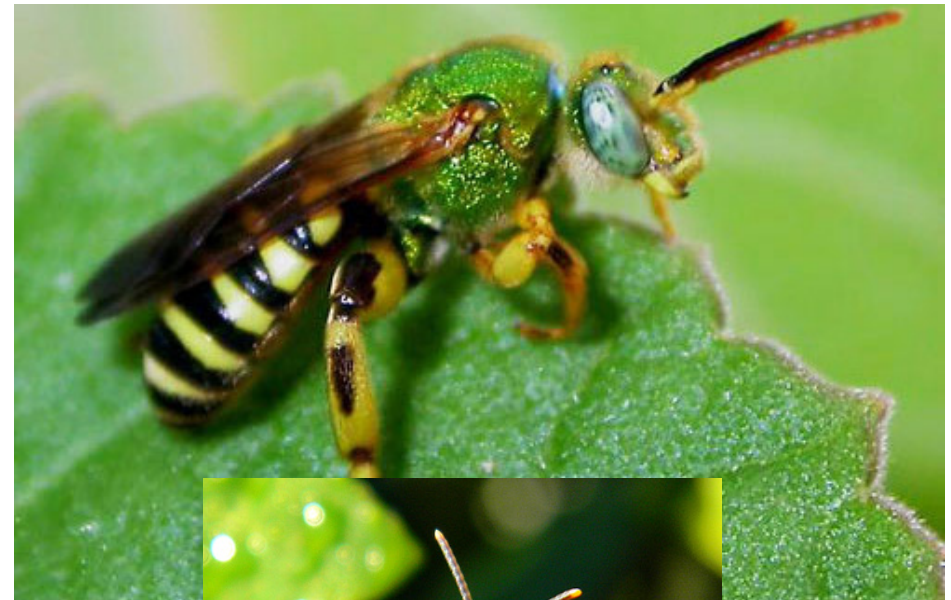
COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

HALICTID BEE

Class:

INSECTA

Order:

HYMENOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

HISTER BEETLE

Class:

INSECTA

Order:

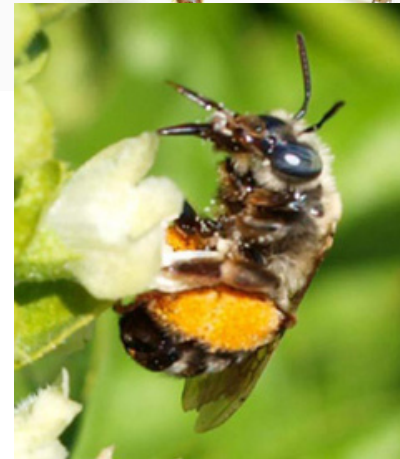
COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

HONEY BEE

Class:

INSECTA

Order:

HYMENOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

HORSE FLY

Class:

INSECTA

Order:

DIPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

ICHNEUMON WASP

Class:

INSECTA

Order:

HYMENOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

JERUSALEM CRICKET

Class:

INSECTA

Order:

ORTHOPTERA

Metamorphosis:

SIMPLE

Mouthparts:

CHEWING



Common Name:

LADYBIRD BEETLE

Class:

INSECTA

Order:

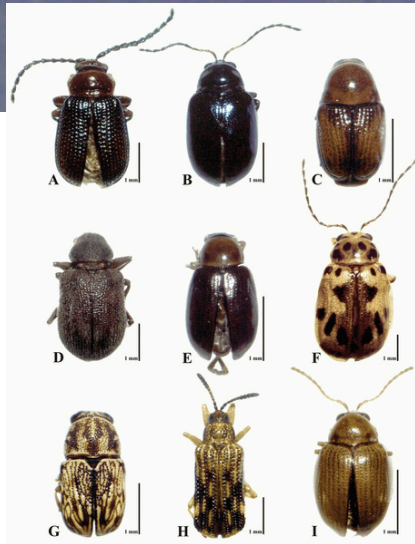
COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

LEAF BEETLE

Class:

INSECTA

Order:

COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

LEAFCUTTING BEE

Class:

INSECTA

Order:

HYMENOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

LEAF-FOOTED PLANT BUG

Class:

INSECTA

Metamorphosis:

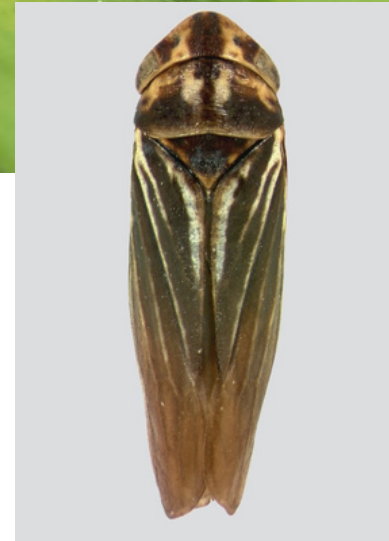
SIMPLE

Order:

HEMIPTERA

Mouthparts:

SUCKING



Common Name:

LEAFHOPPER

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

HEMIPTERA

Mouthparts:

SUCKING



Common Name:

LONG-HORNED BEETLE

Class:

INSECTA

Order:

COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

LONG-HORNED GRASSHOPPER

Class:

INSECTA

Order:

ORTHOPTERA

Metamorphosis:

SIMPLE

Mouthparts:

CHEWING



Common Name:

LOUSE FLY

Class:

INSECTA

Order:

DIPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

MANTID

Class:

INSECTA

Order:

MANTODEA

Metamorphosis:

SIMPLE

Mouthparts:

CHEWING



Common Name:

METALLIC WOOD-BORING BEETLE

Class:

INSECTA

Order:

COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

MILLIPEDE

Class:

DIPLOPODA

Order:

POLYDESMIDA

Metamorphosis:

NONE

Mouthparts:

CHEWING



Common Name:

MOSQUITO

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

DIPTERA

Mouthparts:

SUCKING



Common Name:

MUSCID FLY

Class:

INSECTA

Metamorphosis:

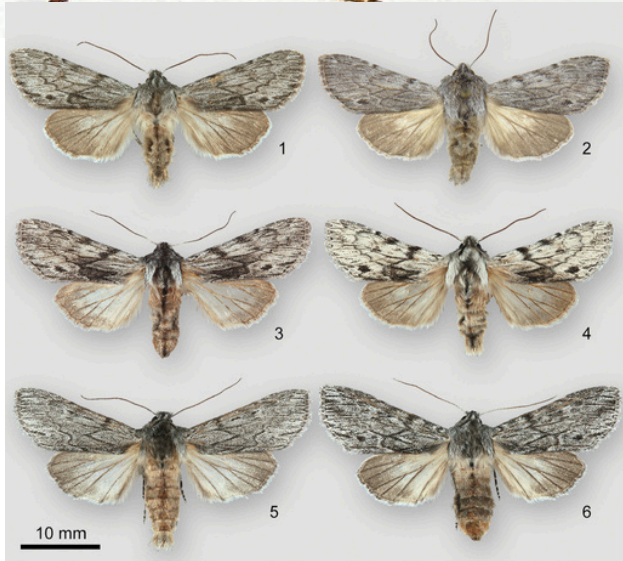
COMPLETE

Order:

DIPTERA

Mouthparts:

SUCKING



Common Name:

NOCTUID MOTH

Class:

INSECTA

Metamorphosis:

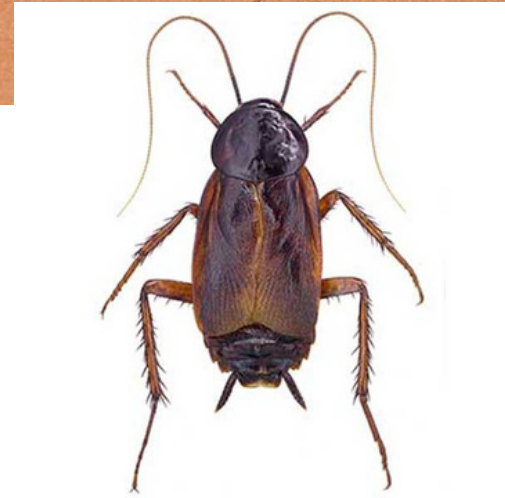
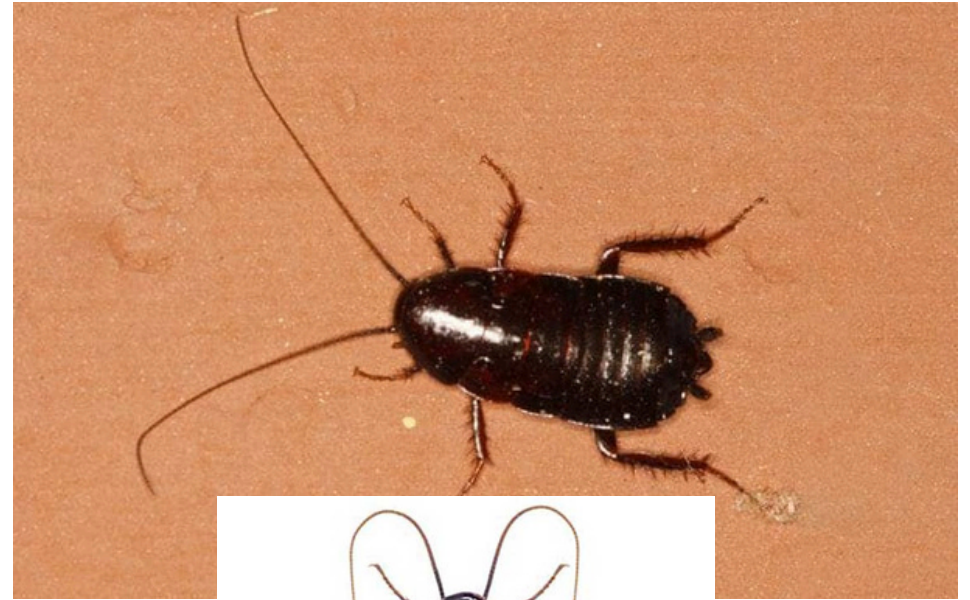
COMPLETE

Order:

LEPIDOPTERA

Mouthparts:

SUCKING



Common Name:

ORIENTAL COCKROACH

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

BLATTARIA

Mouthparts:

CHEWING



Common Name:

PICTURE-WINGED FLY

Class:

INSECTA

Order:

DIPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

PLANT OR LEAF BUG

Class:

INSECTA

Order:

HEMIPTERA

Metamorphosis:

SIMPLE

Mouthparts:

SUCKING



Common Name:

PLANTHOPPER

Class:

INSECTA

Order:

HOMOPTERA

Metamorphosis:

SIMPLE

Mouthparts:

SUCKING



Common Name:

PYRALID MOTH

Class:

INSECTA

Order:

LEPDOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

ROBBER FLY

Class:

INSECTA

Order:

DIPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

ROVE BEETLE

Class:

INSECTA

Order:

COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

SAP BEETLE

Class:

INSECTA

Order:

COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

SCALE INSECT

Class:

INSECTA

Order:

HOMOPTERA

Metamorphosis:

SIMPLE

Mouthparts:

SUCKING



Common Name:

SCARAB BEETLE

Class:

INSECTA

Order:

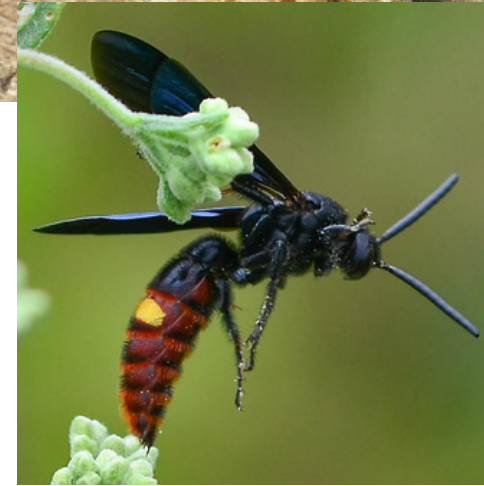
COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

SCOLIID WASP

Class:

INSECTA

Order:

HYMENOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

SCORPION

Class:

ARACHNIDA

Metamorphosis:

NONE

Order:

SCORPIONES

Mouthparts:

COMBINATION



Common Name:

SEED BUG

Class:

INSECTA

Metamorphosis:

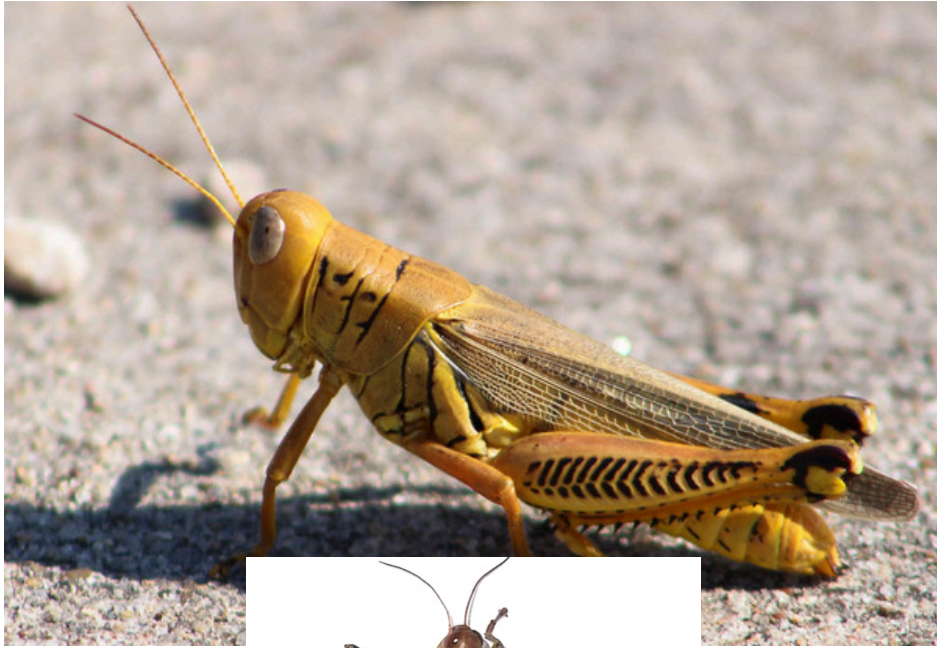
SIMPLE

Order:

HEMIPTERA

Mouthparts:

SUCKING



Common Name:

SHORT-HORNED GRASSHOPPER

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

ORTHOPTERA

Mouthparts:

CHEWING



Common Name:

SILVERFISH

Class:

INSECTA

Metamorphosis:

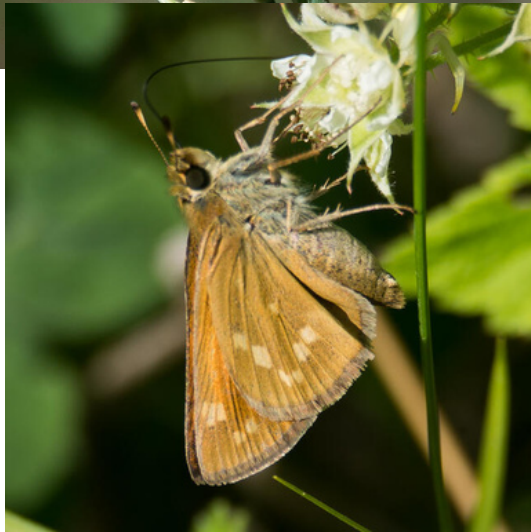
NONE

Order:

THYSANURA

Mouthparts:

CHEWING



Common Name:

SKIPPER

Class:

INSECTA

Order:

LEPIDOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

SNOUT BEETLE

Class:

INSECTA

Order:

COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

SOFT-WINGED FLOWER

Class:

INSECTA

Order:

BEETLE COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

SOLDIER BEETLE

Class:

CRUSTACEA

Order:

COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

SOWBUG

Class:

CRUSTACEA

Metamorphosis:

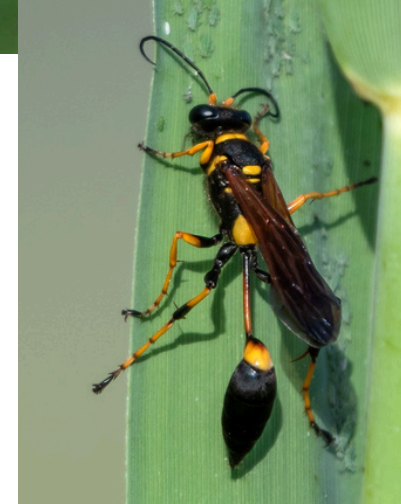
NONE

Order:

ISOPODA

Mouthparts:

CHEWING



Common Name:

SPHECID WASP

Class:

INSECTA

Metamorphosis:

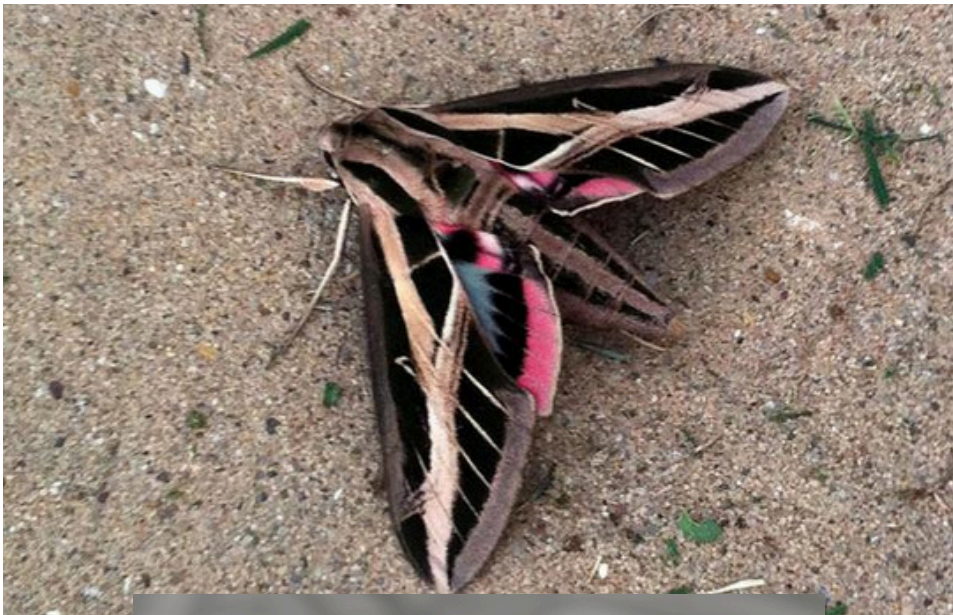
COMPLETE

Order:

HYMENOPTERA

Mouthparts:

CHEWING



Common Name:

SPHINX MOTH

Class:

INSECTA

Order:

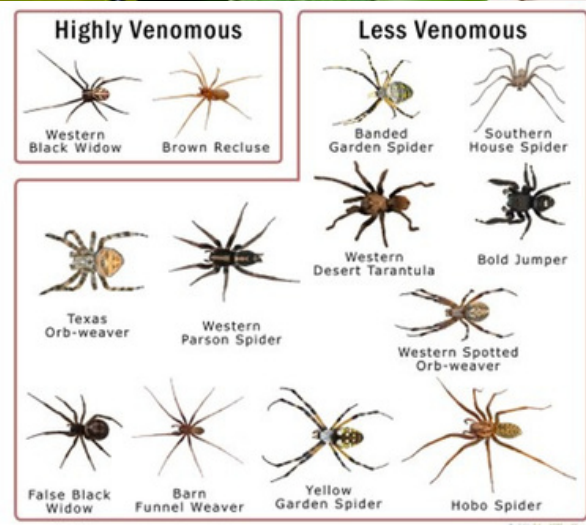
LEPIDOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

SPIDER

Class:

ARACHNIDA

Order:

ARANEAE

Metamorphosis:

NONE

Mouthparts:

COMBINATION



Common Name:

SPIDER WASP

Class:

INSECTA

Order:

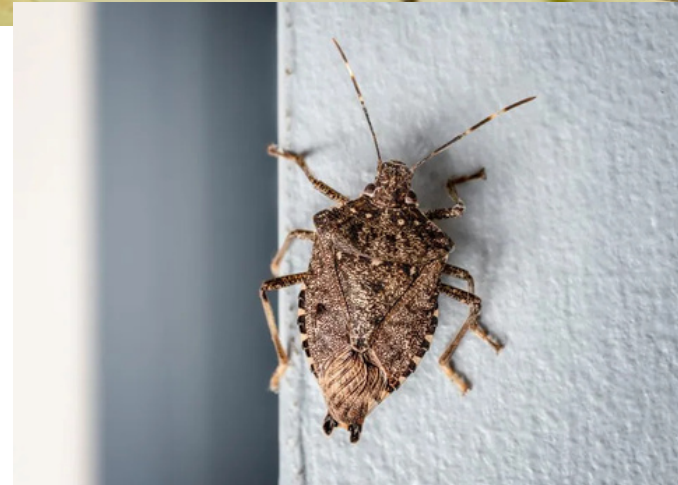
HYMENOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

STINK BUG

Class:

INSECTA

Order:

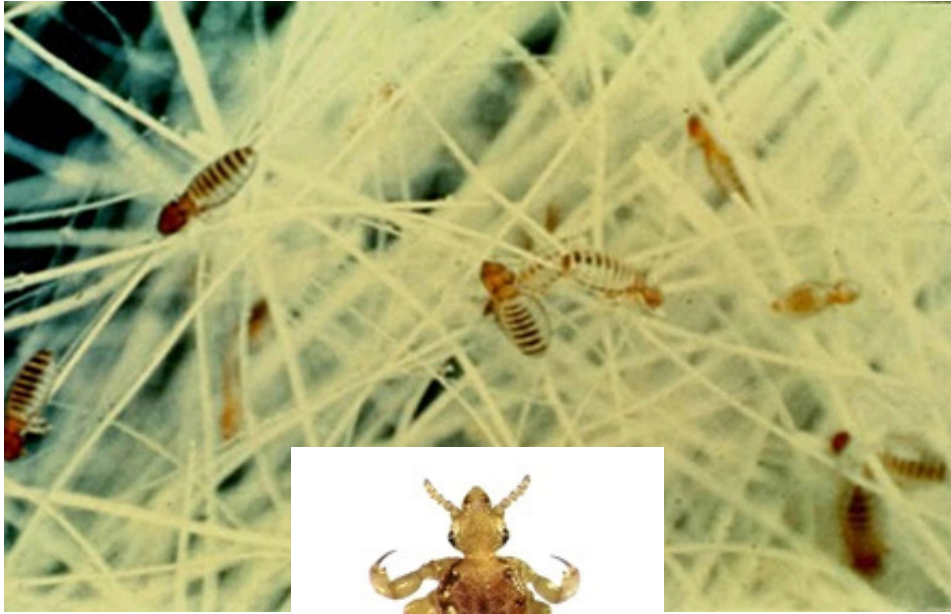
HEMIPTERA

Metamorphosis:

SIMPLE

Mouthparts:

SUCKING



Common Name:

SUCKLING LOUSE

Class:

INSECTA

Order:

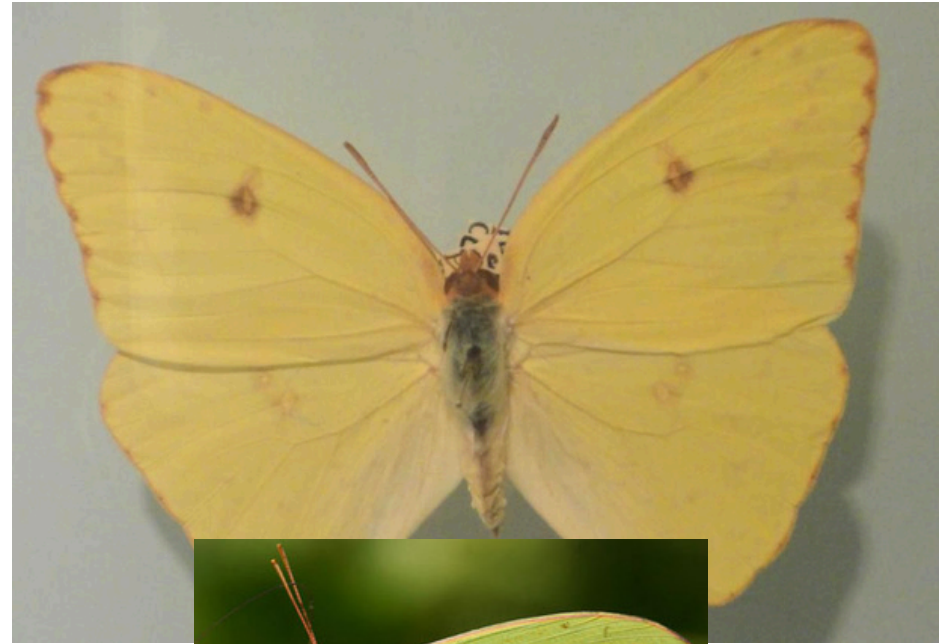
PSOCODEA

Metamorphosis:

SIMPLE

Mouthparts:

SUCKING



Common Name:

SULFUR BUTTERFLY

Class:

INSECTA

Order:

LEPIDOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

SWALLOWTAIL

Class:

INSECTA

Order:

LEPIDOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

SYRPHID FLY

Class:

INSECTA

Order:

DIPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

TACHINID FLY

Class:

INSECTA

Metamorphosis:

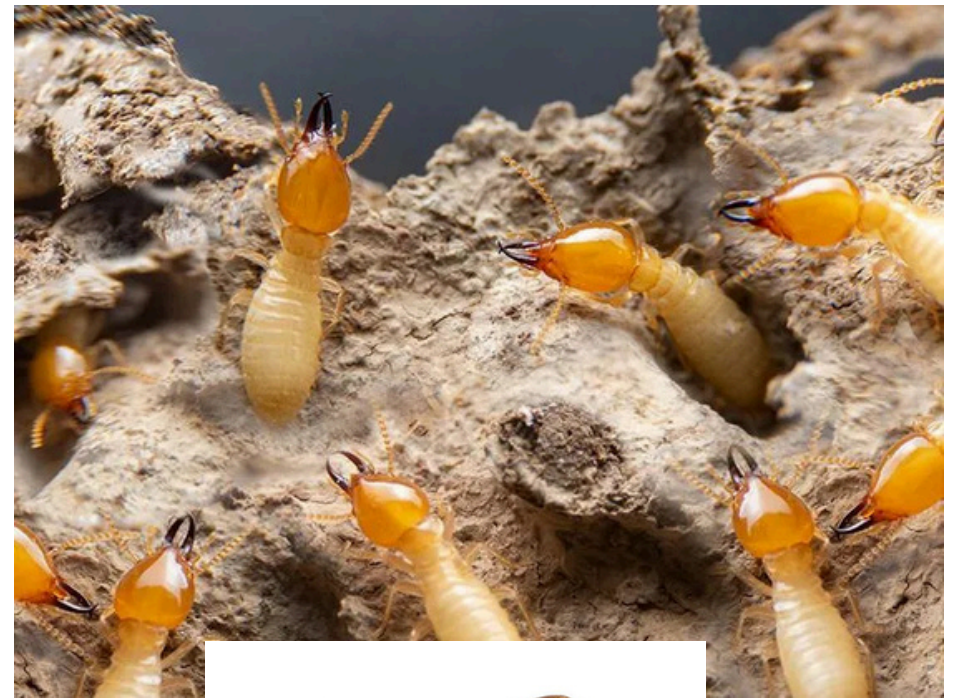
COMPLETE

Order:

DIPTERA

Mouthparts:

SUCKING



Common Name:

TERMITE

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

ISOPTERA

Mouthparts:

CHEWING





Deer Tick



Nymph



Adult Male



Adult Female



Dog Tick



Nymph



Adult Male



Adult Female



Lonestar Tick (CDC PHOTO)



Nymph



Adult Male



Adult Female



Common Name:

TICK

Class:

ARACHNIDA

Metamorphosis:

NONE

Order:

ACARI

Mouthparts:

COMBINATION



Common Name:

TIGER BEETLE

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

COLEOPTERA

Mouthparts:

CHEWING



Common Name:

TIGER MOTH

Class:

INSECTA

Order:

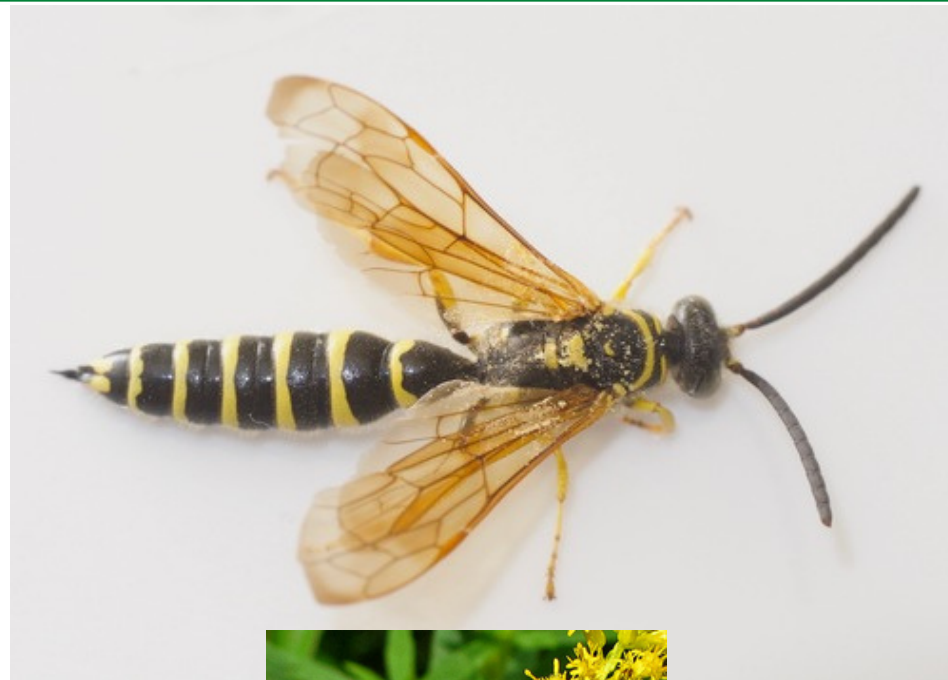
LEPIDOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

SUCKING



Common Name:

TIPHIID WASP

Class:

INSECTA

Order:

HYMENOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

TREEHOPPER

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

HOMOPTERA

Mouthparts:

SUCKING



Common Name:

TWIGBORER

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

COLEOPTERA

Mouthparts:

CHEWING



Common Name:

VELVET ANT

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

HYMENOPTERA

Mouthparts:

CHEWING



Common Name:

VESPID WASP

Class:

INSECTA

Metamorphosis:

COMPLETE

Order:

HYMENOPTERA

Mouthparts:

CHEWING



Common Name:

WALKING STICK

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

PHASMIDA

Mouthparts:

CHEWING



Common Name:

WATER BOATMAN

Class:

INSECTA

Metamorphosis:

SIMPLE

Order:

HEMIPTERA

Mouthparts:

SUCKING



Common Name:

WATER SCAVENGER

Class:

INSECTA

Order:

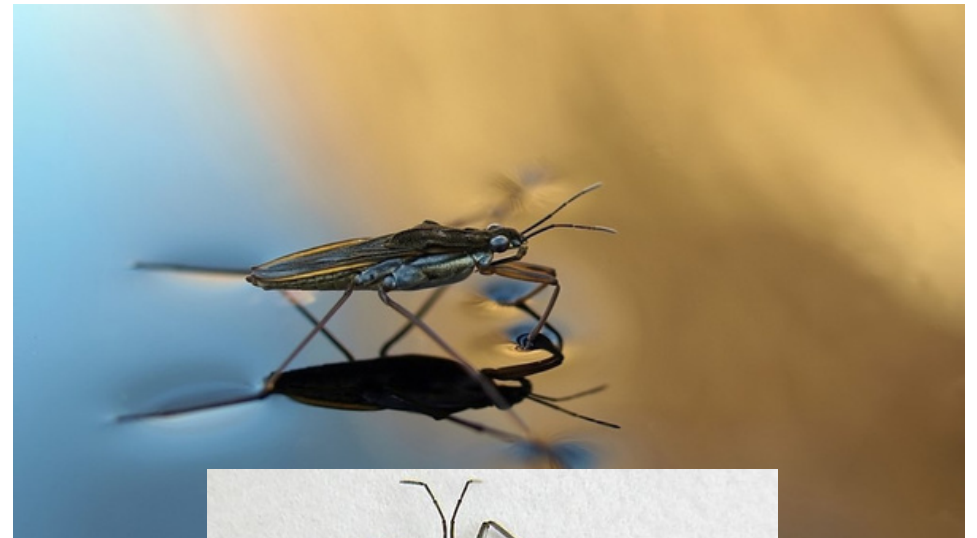
BEETLE COLEOPTERA

Metamorphosis:

COMPLETE

Mouthparts:

CHEWING



Common Name:

WATERSTRIDER

Class:

INSECTA

Order:

HEMIPTERA

Metamorphosis:

SIMPLE

Mouthparts:

SUCKING