

Entomology Test Answers

They're baaaaaaaaaaaaack!



Identify the family and common name of this insect. *Belostomatidae*, *giant water bug*

The above insect is what gender? *Male*

While carrying eggs, members of this family are unable to perform what function? *Mate*



What is the family and common name of these insects?

Mutillidae, Velvet ant

Identify which insect is male and which is female. *Left: female, Right: male*

All questions are about Hymenopterans on this slide

What kind of metamorphosis do members of this order have?

Complete (holometabolous)

Hymenoptera appeared in what geological period?

Triassic

Sex of members of this order is determined by what factor?

Number of chromosomes (whether the egg is fertilized or not)



Identify the family and common name of this insect. *Culicidae, mosquito*

What kind of metamorphosis do members of this family undergo?

Complete metamorphosis (holometabolous)



Identify the family and common name of this insect.

Tachinidae, tachinid fly

Identify the difference between parasitoid organisms and parasitic organisms.

Parasitoid: kills its host; parasitic: does not kill its host

IDENTIFY 5 DISEASES SPREAD BY THE ORDER DIPTERA

Malaria, dengue, west nile virus, yellow fever, encephalitis, african sleeping sickness, and others that I can't find



Identify the family and common name of this insect *Cimicidae, bed bug*

What does this insect feed on? *Blood*

This family does not reproduce like most other insects. What is the name of the type of reproduction this insect uses? *Traumatic insemination*



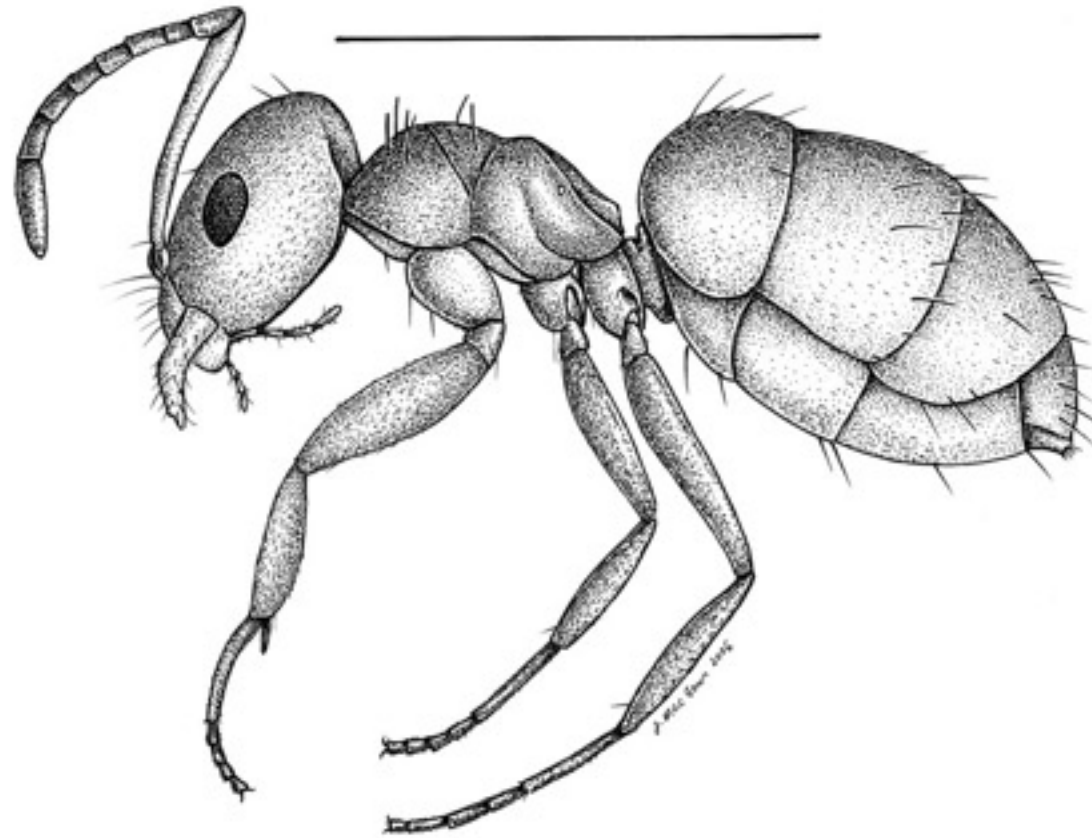
Identify the family and common name of this insect. *Asilidae, robber fly*
How does this insect kill its victims? *Injection of lethal spit after stabbing.*



What is the order and common name of this insect? *Blattodea, cockroach*
Are these insects pests or beneficial? If beneficial, name benefit(s). *Pests*
What arthropod preys on these insects? *Centipedes*



Identify this insect's family name, order and common name. *Bombyliidae, Diptera, Bee Fly*
What does this insect feed on? *Pollen*
The larvae of this insect are (parasitoid/parasitic). Choose one. *Parasitoid*



Identify the Family and common name of this insect *Formicidae, ant*

What is the difference between males and females in terms of early development?
Male eggs are unfertilized, females are fertilized.

How does this insect defend itself? *Biting, stinging or injecting venom (any of the three)*



A



B

Identify the family and common name of insect A *Corixidae, water boatman*

Identify the family and common name of insect B *Notonectidae, backswimmer*

What is the main diet of insect A? *Plants*

What is the main difference between the two insects? *Backswimmer swims on its back, water boatman swims on front*



Identify the family and common name of this insect.

Calliphoridae, blow flies

What do larvae of this family feed on?

Dung or carrion

Name that bug! Answer with family name if applicable, and order name if not.



Chrysomelidae—leaf beetle



Chrysopidae - green lacewings



Tettigoniidae--katydid



Tephritidae—fruit fly



Dermaptera--earwig



Megaloptera--dobsonfly



Calliphoridae--blowfly



Blattodea--cockroach



Libellulidae—skimmer dragonfly

Photo by
Chung e/4



Pentatomidae--stinkbug

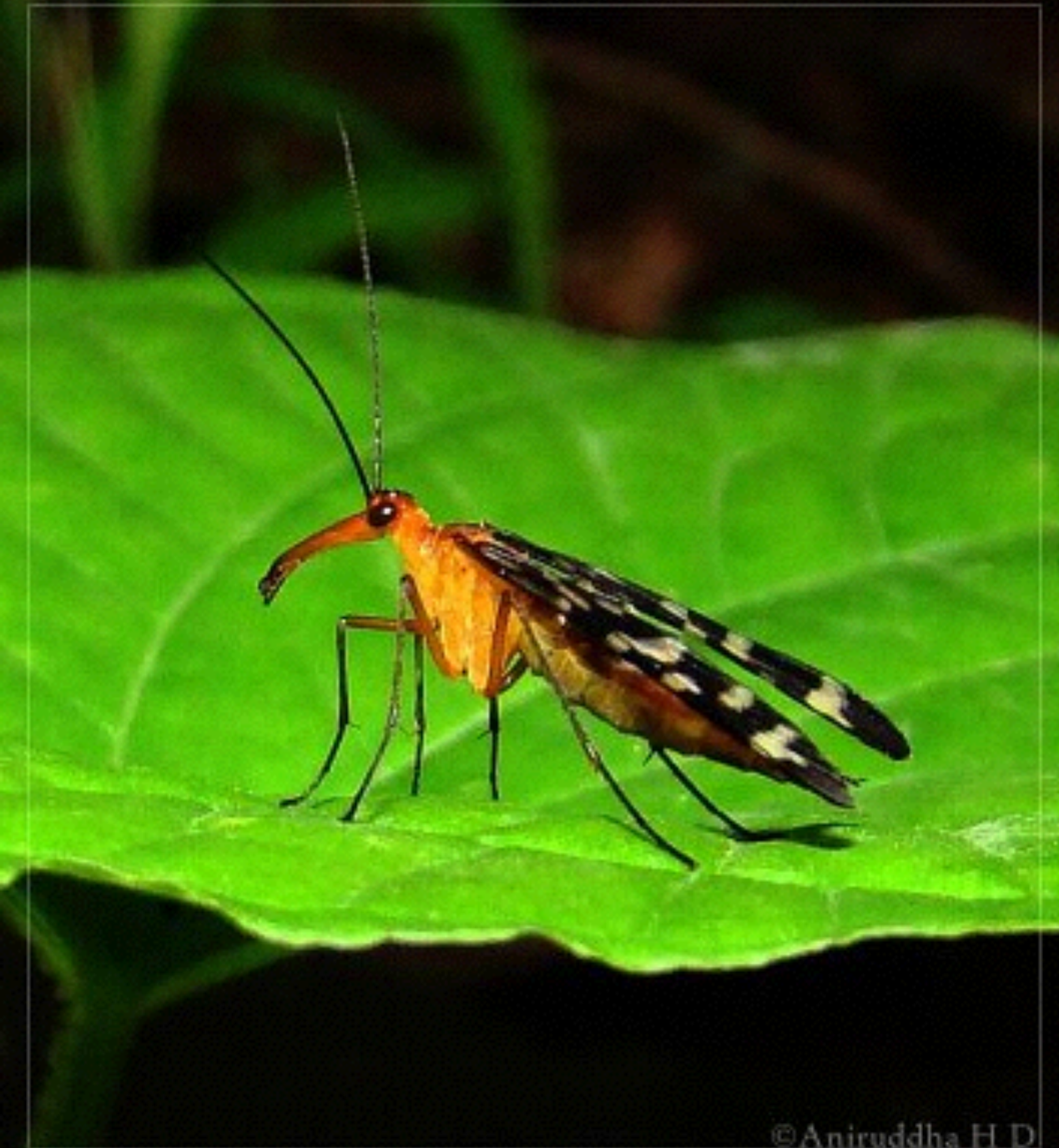


Dactylopiidae--scale



Membracidae--treehopper

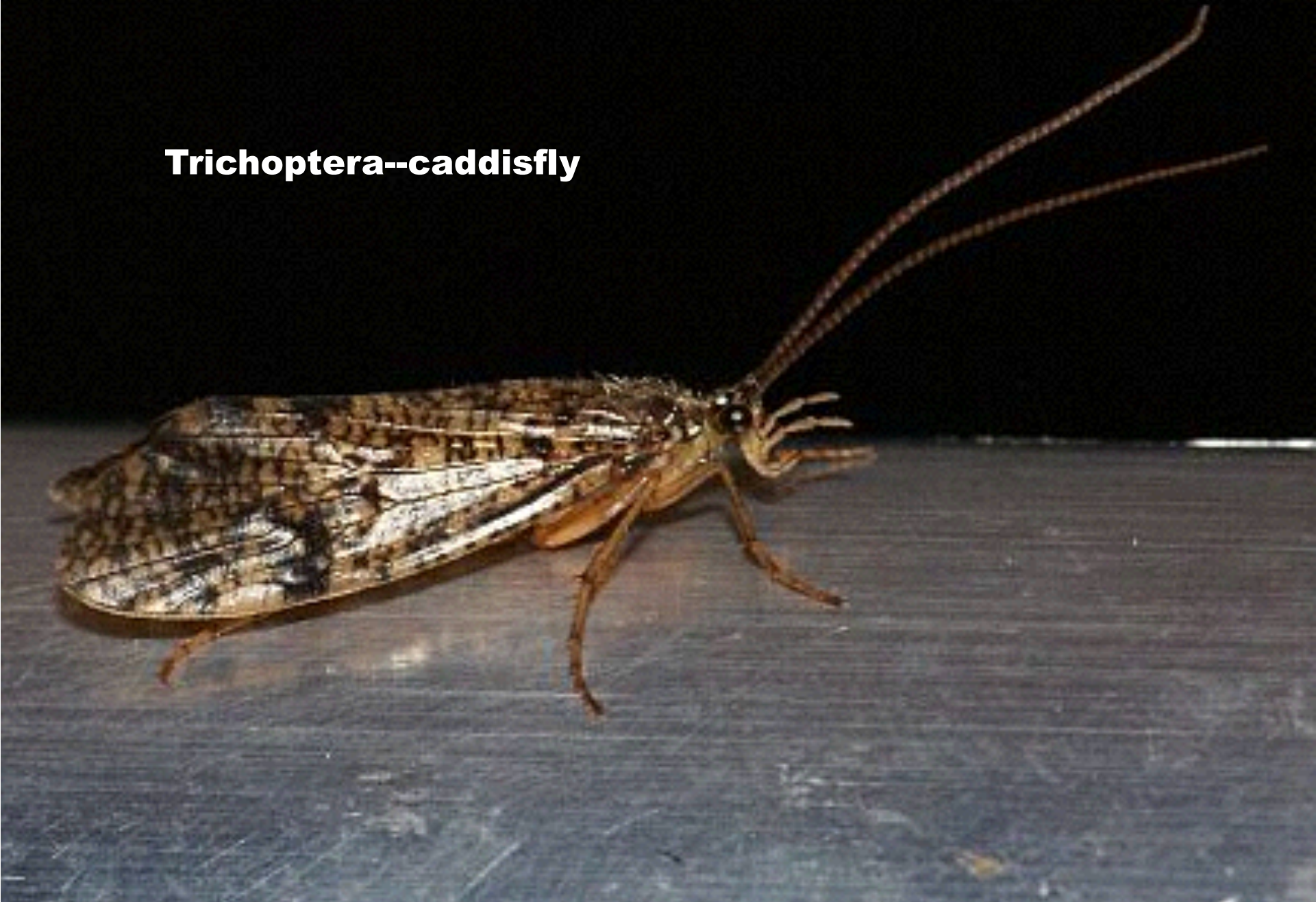
**Panorpidae--
scorpionfly**



Silphidae—carrion beetle



Trichoptera--caddisfly





Sphingidae—sphinx moth

coll. KSP



Ephemeroptera--mayfly

Chironomidae--midge



Tipulidae—crane fly



Culicidae--mosquito



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Tortricidae—tortricid moth

FINISHED! YAY!



Hope y'all aren't too grossed out...