



Specimens will be limited to those on the Official list of 29 orders and 100 families. Orders or Families marked by an “*” require that the contestant be able to recognize larvae or nymph forms. The taxonomic scheme is based upon the Insects of North America Princeton Field Guide (2023).

Class Entognatha

- Order Protura - tselontails, proturans
- Order Collembola - springtails, snow fleas
- Order Diplura - diplurans

Class Insecta

- Order Archaeognatha - bristletails
- Order Zygentoma - silverfish, firebrats
- Order Ephemeroptera - mayflies
- Order Odonata - dragon/damselflies *
 - Family Aeshnidae - darners
 - Family Gomphidae - clubtails
 - Family Libellulidae - skimmers
 - Family Lestidae - spread-wing
 - Family Coenagrionidae - narrow-winged
- Order Blattodea - cockroaches/termites
- Order Mantodea - mantids
- Order Notoptera - ice crawlers
- Order Dermaptera - earwigs
- Order Plecoptera - stoneflies
- Order Orthoptera - grasshoppers & crickets
 - Family Tetrigidae - pygmy grasshopper
 - Family Acrididae - short-horned grasshoppers
 - Family Tettigoniidae - katydids
 - Family Gryllacrididae - camel crickets
 - Family Gryllidae - crickets/tree crickets
 - Family Gryllotalpidae - mole crickets

Order Phasmatodea - walkingsticks

Order Psocodea - Book/Bark Lice

Order Hemiptera - true bugs

- Family Corixidae - water boatmen
 - Family Notonectidae - backswimmers
 - Family Belostomatidae - giant water bugs
 - Family Nepidae - waterscorpions
 - Family Gelastocoridae - toad bugs
 - Family Gerridae - water striders
 - Family Cimicidae - bed bugs
 - Family Miridae - plant bugs
 - Family Reduviidae - assassin bugs
 - Family Phymatidae - ambush bugs
 - Family Tingidae - lace bugs
 - Family Lygaeidae - seed bugs
 - Family Coreidae - leaf-footed bugs
 - Family Pentatomidae - Stink bugs
 - Family Cicadidae - cicadas
 - Family Membracidae - treehoppers
 - Family Cercopidae - froghoppers, spittlebugs
 - Family Cicadellidae - leafhoppers
 - Family Fulgoridae - fulgorid planthoppers
 - Family Aphididae - aphids
 - Family Dactylopiidae - scale(twig or leaf)
- Order Thysanoptera - thrips
- Order Megaloptera - dobsonflies
- Order Neuroptera - lacewings, antlions
- Family Chrysopidae - green lacewings
 - Family Myrmeleontidae - antlions *



2025 NATIONAL ENTOMOLOGY LIST (CONT.)

See General Rules, Eye Protection & other Policies on www.soinc.org as they apply to every event.



Order Coleoptera-beetles

- Family Cicindelidae-tiger beetles¹
- Family Carabidae-ground beetles
- Family Dytiscidae-predaceous diving beetles
- Family Gyrinidae-whirligig beetles
- Family Hydrophilidae-water scavenger beetles
- Family Histeridae-hister beetles
- Family Staphylinidae-rove beetles
- Family Silphidae-carrion beetles
- Family Lucanidae-stag beetles
- Family Passalidae-bess beetles
- Family Scarabaeidae-dung beetles
- Family Buprestidae-metallic wood-boring/
jewel beetles
- Family Elateridae-click beetles
- Family Lampyridae-fireflies
- Family Cantharidae-soldier beetles
- Family Lycidae-net-winged beetles
- Family Cleridae-checkered beetles
- Family Coccinellidae-lady-bird beetles
(ladybugs)
- Family Tenebrionidae-darkling beetles *
- Family Meloidae-blister beetles
- Family Cerambycidae-long-horned beetles *
- Family Chrysomelidae-leaf beetles
- Family Curculionidae-weevils

Order Strepsiptera - Twisted-Wing Parasite

Order Mecoptera-scorpionflies

- Family Boreidae- snow scorpionflies
- Family Panorpidae- common scorpionflies

Order Raphidioptera - Snakeflies

- Family Raphidiidae - Raphidiid Snakeflies

Order Siphonaptera-fleas

Order Diptera-true flies

- Family Tipulidae-crane flies
- Family Culicidae-mosquitoes*
- Family Chironomidae-midges
- Family Simuliidae- black flies
- Family Stratiomyidae-soldier flies
- Family Tabanidae-horse flies
- Family Asilidae-robber flies

Family Bombyliidae-bee flies

- Family Syrphidae-hover/flower flies
- Family Tephritidae-fruit flies, huskfly
- Family Drosophilidae-pomace flies, fruit/
vinegar flies
- Family Muscidae-house flies
- Family Hippoboscidae- louse flies
- Family Calliphoridae- blow flies*
- Family Tachinidae-tachinid flies

Order Trichoptera-caddisflies*

Order Lepidoptera-moths and butterflies

- Family Sesiidae-clear winged moths
- Family Tortricidae- Tortrix moths
- Family Hesperidae-skippers
- Family Papilionidae-swallowtails*
- Family Pieridae-whites, sulfurs
- Family Lycaenidae- hairstreaks/blues
- Family Nymphalidae-brush-footed butterflies
- Family Danaidae-milkweed butterflies
- Family Pyralidae- snout moths
- Family Saturniidae-Giant Silkworm moths*
- Family Sphingidae-sphinx/hawk moths,
hornworms*
- Family Erebiidae - tiger/tussock moths

Order Hymenoptera-bees/ants/wasps.

- Family Tenthredinidae- common sawflies
- Family Siricidae-horntails
- Family Ichneumonidae-ichneumons
- Family Cynipidae- gall wasps
- Family Mutillidae- velvet-ants
- Family Formicidae-ants
- Family Vespidae-paper wasps, hornets,
yellowjackets
- Family Sphecidae - thread- waisted wasps
- Family Colletidae- Plaster bees
- Family Halictidae- Sweat bees
- Family Megachilidae- leaf cutter bees
- Family Apidae-bees

Subclass Acari - Mites and Ticks

Order Ixodida - Ticks

- Family Ixodidae - Hardbacked ticks

¹ Depending on the resource, Cicindelidae-tiger beetles may be classified as part of Carabidae-ground beetles. For the purposes of this list, they are considered separate families