

ENTOMOLOGY

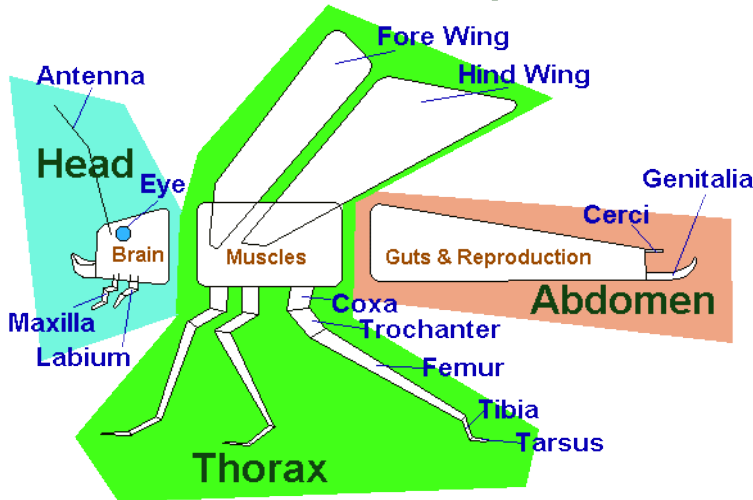
Name _____ Date _____ Grade 9 10 11 12

I am trying out for Earth-2 (EXPD/ENTO/FOSS) Earth-3 (DYNA/ENTO/GREE) I did this event last year

Scoring /25 /9 /17 /10 /14 /12 TOTAL /87

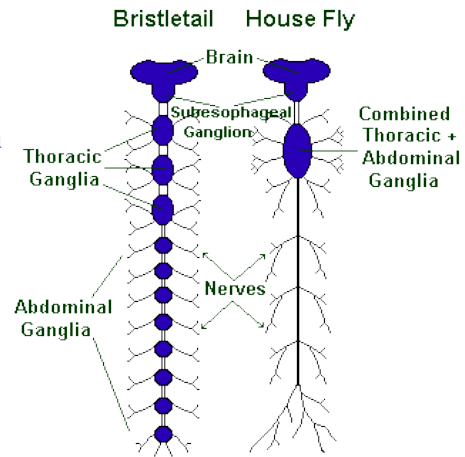
Answer all questions as completely as possible. No half-points will be awarded, but no points will be deducted for incorrect answers. Include units for all measurements; any numbers without units will be marked as wrong. Point values are listed to the right of each question.

The Insect Body



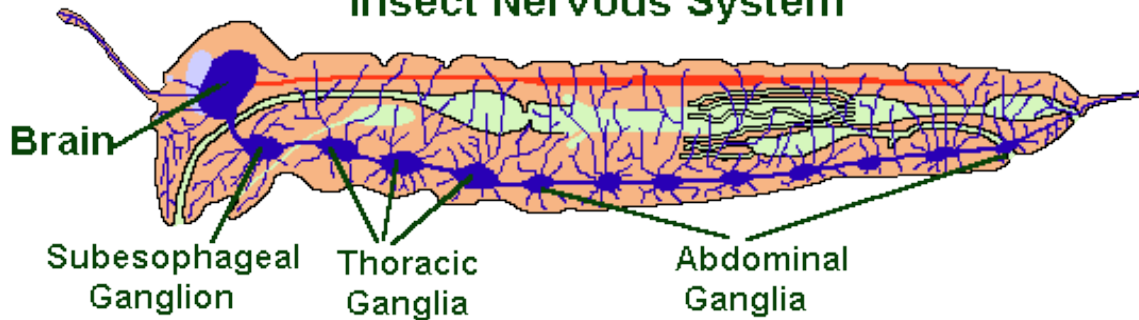
Diagrammatic Representation Of The Insect Nervous System

[25]

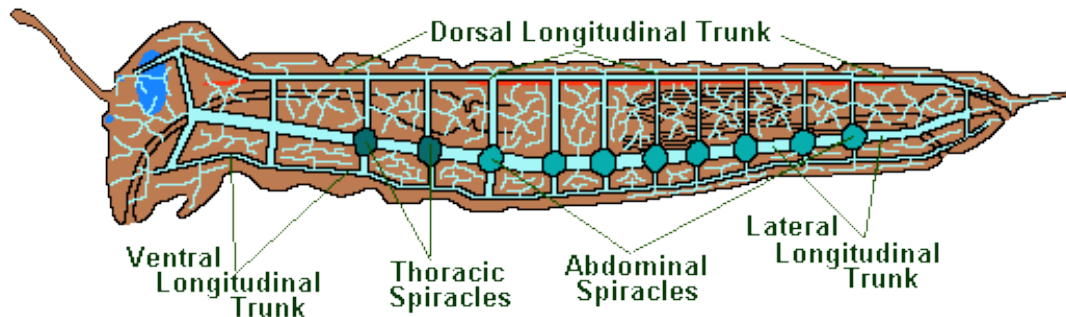


A Diagrammatic Representation of the Insect Nervous System

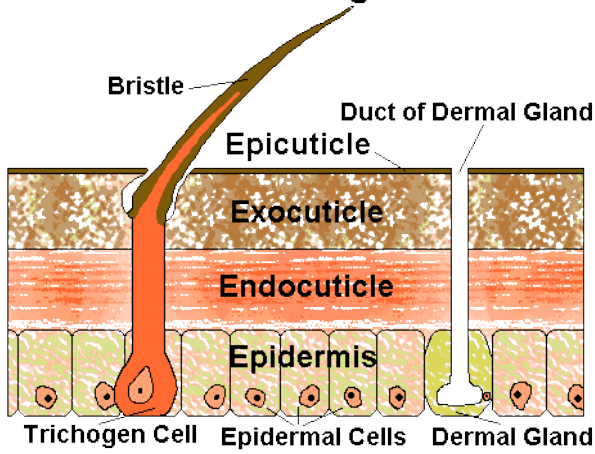
[9]



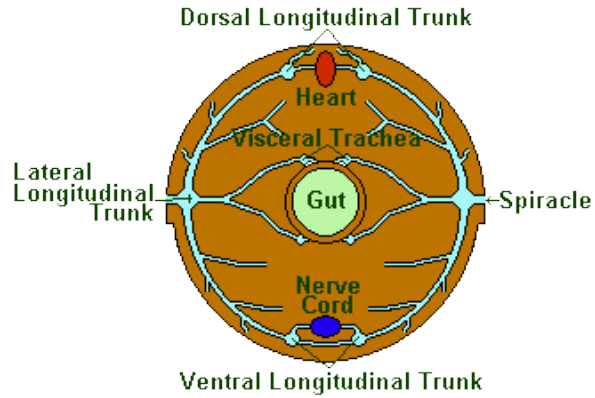
Diagrammatic Representation of the Insect Tracheal System



The Insect Integument



Diagrammatic Representation in TS of the Insect Tracheal System



[17]



Order Odonata-dragon/damselflies

Family Coenagrionidae-narrow-winged

[36]



Order Coleoptera-beetles

Family Cicindelidae-tiger beetles



Order Odonata-dragon/damselflies

Family Gomphidae -clubtails



Order Hymenoptera-bees/ants/wasps

Family Siricidae-horntails



Order Hemiptera-true bugs

Family Corixidae-water boatmen



Order	Mecoptera-scorpionflies
Family	Boreidae- snow scorpionflies



Order	Coleoptera-beetles
Family	Histeridae-hister beetles



Order	Diptera-true flies
Family	Simuliidae- black flies



Order	Neuroptera-lacewings, antlions
Family	Myrmeleontidae-antlions



Order	Lepidoptera-moths and butterflies
Family	Tortricidae- Tortricid moths



Order	Hemiptera-true bugs
Family	Gerridae-water striders



Order	Hymenoptera-bees/ants/wasps
Family	Mutillidae- velvet-ants



Order	Lepidoptera-moths and butterflies
Family	Sesiidae-clear winged moths



Order	Homoptera-cicadas, aphids, hoppers, etc.
Family	Membracidae-treehoppers



Order	Mecoptera-scorpionflies
Family	Panorpidae- common scorpionflies



Order	Mecoptera-scorpionflies
Family	Boreidae- snow scorpionflies



Order	Coleoptera-beetles
Family	Passalidae-bess beetles



Order	Orthoptera-grasshoppers & crickets
Family	Tettigoniidae-katydids