

## ENT 425 Spot ID Recognition Characters for the Major Orders of Insects

<u>Order</u>	<u>Key Characters</u>
Collembola	Furcula* and/or Collophore*; wingless
Thysanura	3 abdominal filaments of equal length; wingless; body with scales
Archeognatha	3 terminal filaments (unequal); wingless
Odonata	Rectangular stigma; large eyes; small antennae
Ephemeroptera	2 or 3 terminal filaments; large triangular front wings, small round hind wings
Plecoptera	Boxy thorax; thread-like antennae; cerci; M-Cu crossveins
Orthoptera	Tegmen; short cerci; jumping hind legs thread-like antennae
Blattodea	Brown, flattened, oval body with oval pronotum
Mantodea	Long prothorax, narrow neck, raptorial front legs
Phasmatodea	Long, slender body parts; prothorax shorter than meso- or metathorax
Dermaptera	Forceps-like cerci; short wing covers
Isoptera	Ant-like; soft-bodied; light-colored and wingless or dark with 4 similar wings
Thysanoptera	Small, tapered body; fringed wings
Hemiptera	Piercing-sucking mouthparts; hemelytra fold to "X" on back, or uniform wings fold tent-like
Phthiraptera	Minute; wingless; one large claw per leg if head is small and conical; two small claws if head is broad and rounded
Neuroptera	Long antennae; heavy venation; C-Sc crossveins

Mecoptera	Long snout; scorpiontail in male*; coiled tarsi*
Coleoptera	Elytra meet in line down center of back
Siphonaptera	Laterally flat; wingless; pronotal and/or genal combs
Diptera	Two wings; halteres
Trichoptera	Hairy wings held tent-like over body at rest
Lepidoptera	Scaly wings with large surface area; coiled proboscis
Hymenoptera	Narrow waist*; sting*; triangular stigma*

\* Not present in all families of the order