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Examples of Insect Mouthparts

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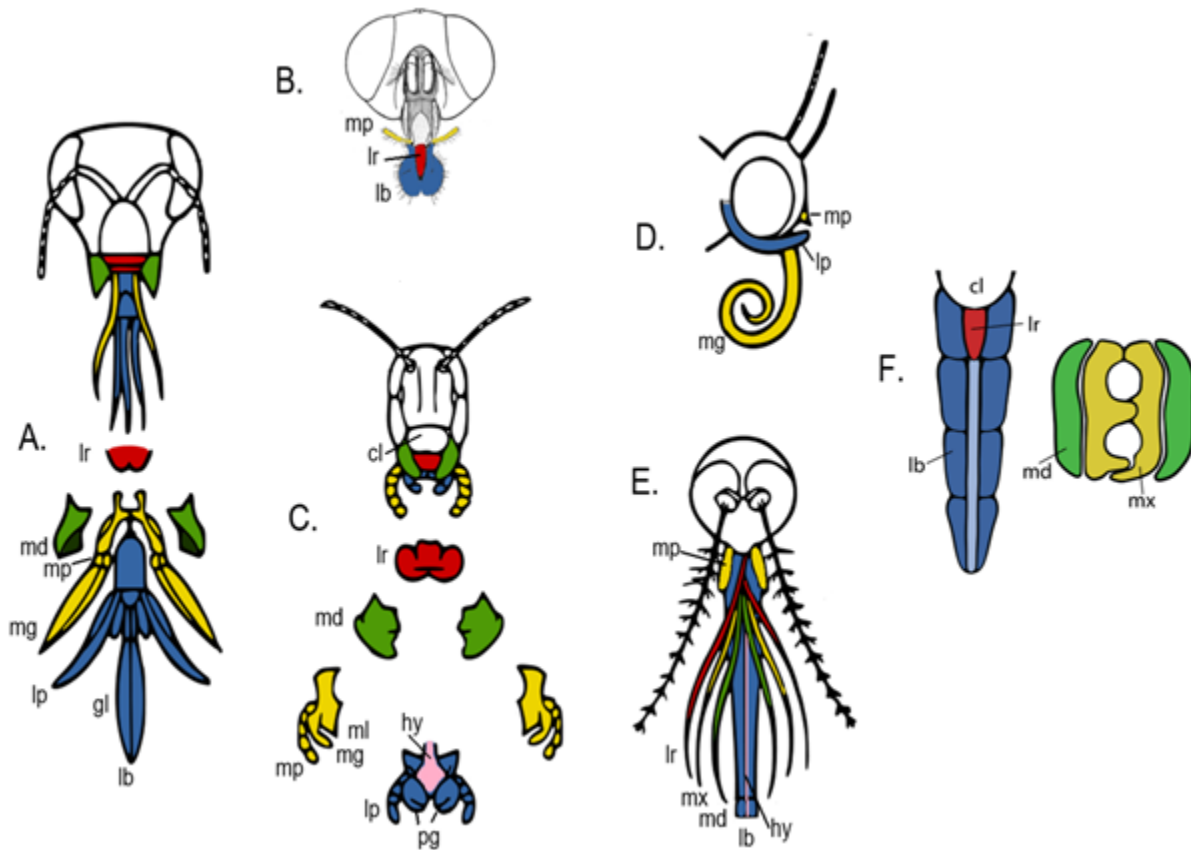
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Examples of Insect Mouthparts

BH King – 2022

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Insect mouthparts may include:

cl = clypeus; hp = hypopharynx (pink) (not part of the labium, just on top of it, tongue-like in some insects); lb = labium or labellum of labium (blue): gl = glossa of labium, lp = labial palp, pg = paraglossa; lr = labrum (red); md = mandible (green); mx = maxilla (yellow): mg = galea, ml = lacinia, mp = maxillary palp,

- Adult honey bees have lapping chewing mouthparts.
- Adult house flies, with proboscis extended, have sponging mouth.
- Adult and nymph grasshoppers have chewing mouthparts.
- Adult lepidopterans have siphoning mouth.
- Adult mosquitoes have piercing-sucking mouthparts, but not all fluid suckers use the same mouthparts to form a proboscis canal.
- Adult and nymph hemipterans have piercing-sucking mouthparts (front view and cross section of the stylets). An extended labium has a central groove in which lay thin stylets formed from elongated maxillae and mandibles. The maxillae form two tubes, a salivary one and a food channel.

(Sources: House fly head is from [Smithsonian miscellaneous collections \(1947\) \(14765165494\).jpg](#). Public Domain, accessed 17 June 2022, derivative work: bhking.

The hemipteran drawing, Fig. 1F, is by Nora Hunter CC BY SA NC.

The rest are from [Evolution insect mouthparts coloured.svg CC BY SA 3.0](#) Xavier Vázquez, derivative work: ecelan (talk), accessed 5 February 2022; derivative work: bhking)

