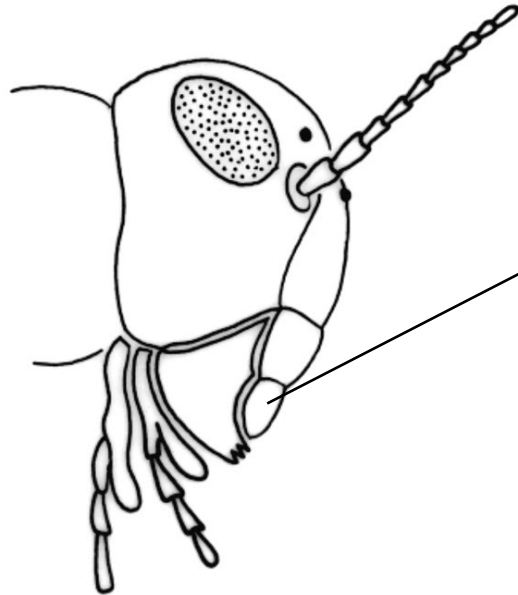


Beissende Mundwerkzeuge

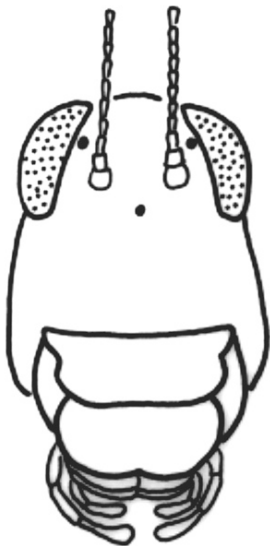
Libellen (Odonata), Heuschrecken (Saltatoria), Käfer (Coleoptera)



Labrum (Oberlippe)

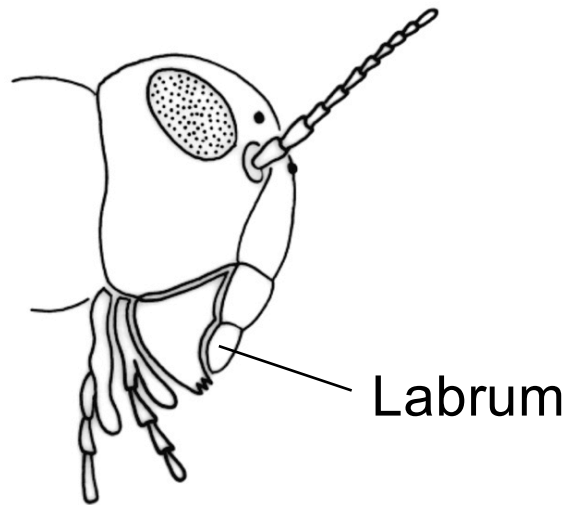
Mandibeln (Oberkiefer)

Maxillen (Unterkiefer)
mit **Maxillarpalpen**
(Unter-kiefertaster)



Labium (Unterlippe) mit
Labialpalpen (Unterlippen-
tastern) = Verschmelzungs-
produkt der 2. Maxillen





Labrum

Mandibeln



Maxillen

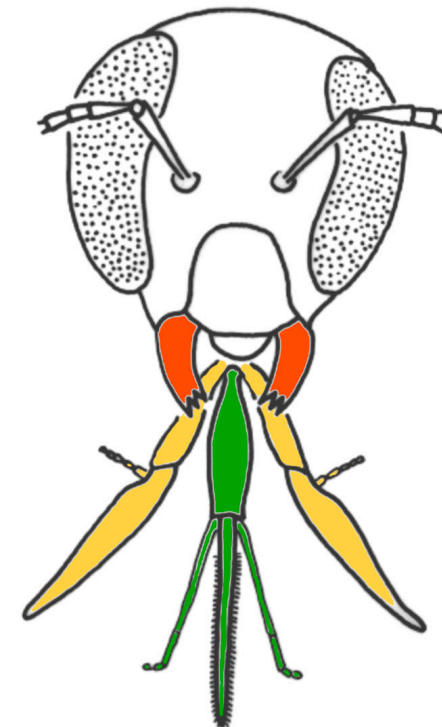


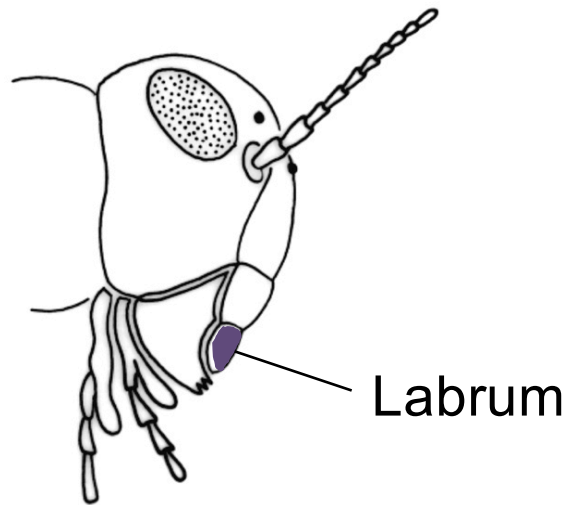
Labium



Beissend-leckende Mundwerkzeuge

Hautflügler (Hymenoptera)





Mandibeln



Maxillen

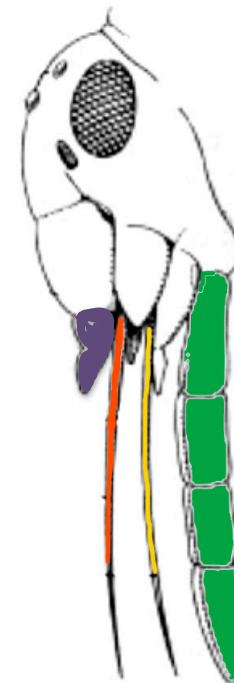


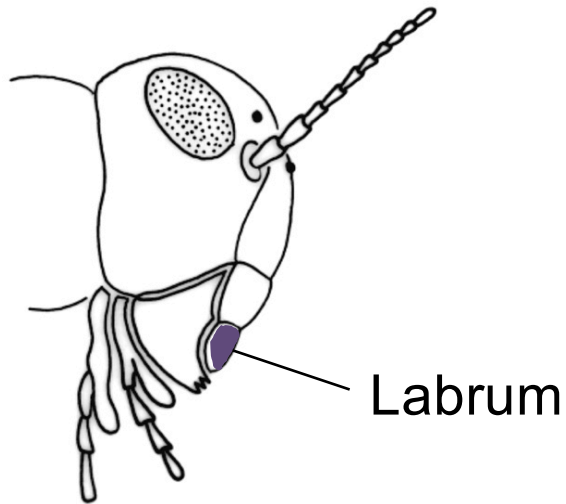
Labium



Stechend-saugende Mundwerkzeuge

Wanzen (Heteroptera), Zikaden (Auchenorrhyncha),
Pflanzenläuse (Sternorrhyncha)





Labrum

Stechend-saugende Mundwerkzeuge

Mücken (Nematocera)

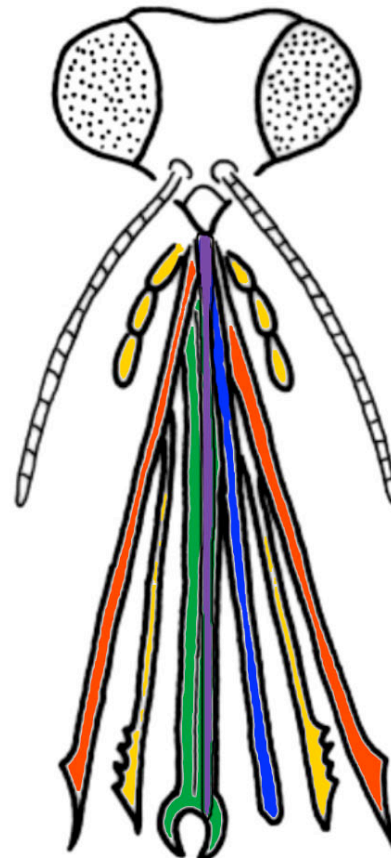
Mandibeln

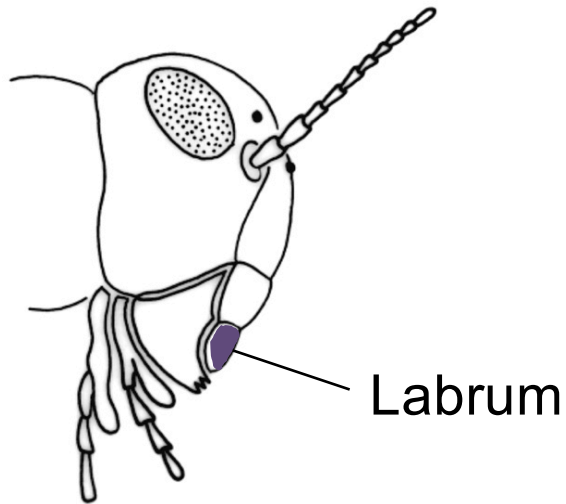


Maxillen



Labium





Mandibeln



Maxillen

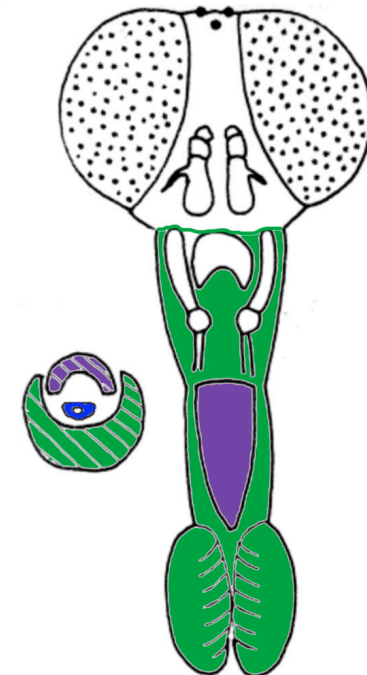
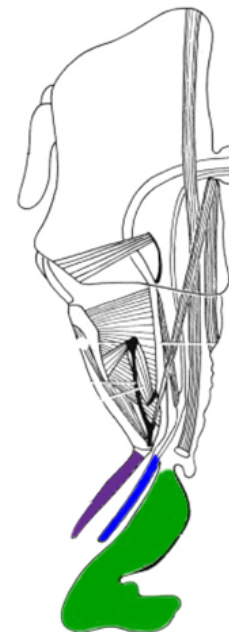
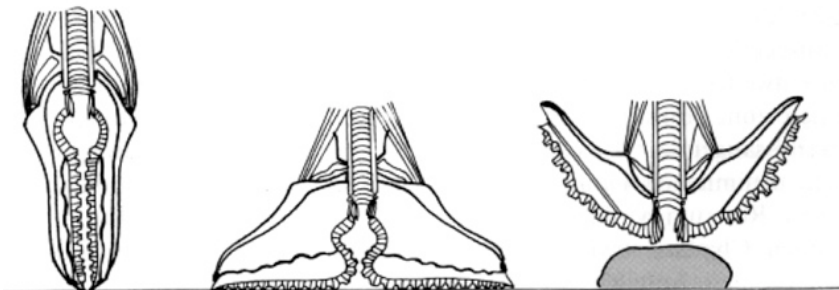


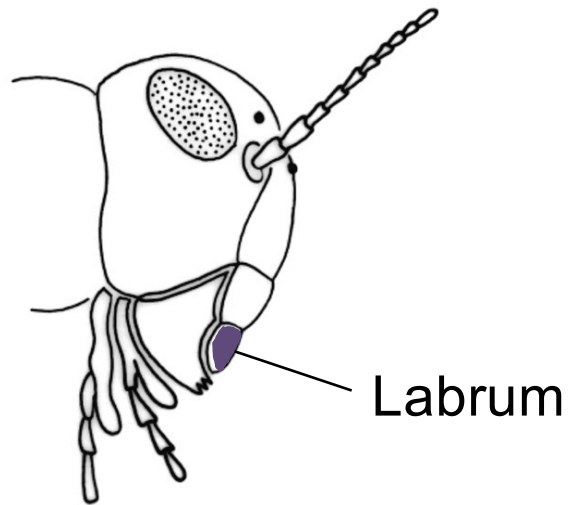
Labium



Leckend-saugende Mundwerkzeuge

moderne Fliegen (Cyclorrhapha)





Mandibeln



Maxillen



Labium



Saugende Mundwerkzeuge

Schmetterlinge (Lepidoptera)

