

Name: _____ Date: _____

Grasshopper Dissection



Introduction:

Insects are arthropods with jointed appendages, segmented bodies, and an exoskeleton composed of chitin. Insects are in the class Insecta, & are the largest and most diverse group of animals on earth. Insects have three body regions (head, thorax, & abdomen), 3 pairs of legs attached to the thorax, a single pair of antenna attached to the head, mouthparts adapted for chewing or sucking, and two pairs of wings. Some insects may have a single pair of wings or be wingless. Insect legs are often adapted for digging, crawling, jumping, or swimming. The insects are mostly terrestrial; they breathe air which enters small lateral openings on the body called spiracles and circulates in a system of ducts to all organs and tissues. Their chewing or sucking mouth parts are adapted for feeding on plant or animal materials.

Objective:

Identify & label the anatomy of a grasshopper

Materials:

Lab coat, goggles, dissecting pan, dissecting kit with forceps & scalpel, pins, magnifying glass, preserved grasshopper

Safety:

Preservatives used on grasshopper can irritate your skin. Avoid touching your eyes while working with the grasshopper

Procedure:

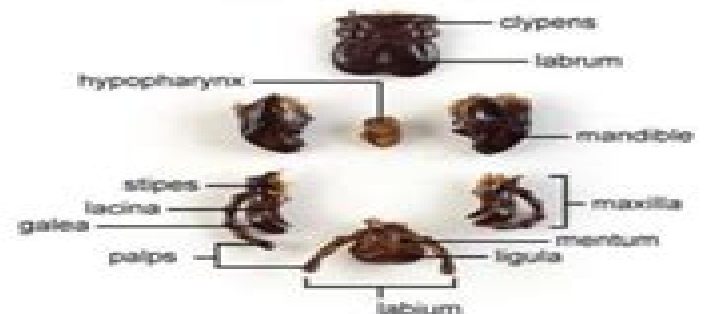
External Anatomy

1. Place grasshopper in the dissecting pan. Touch the chitinous exoskeleton.
2. Observe that the body of the grasshopper is divided into 3 regions — the head, the thorax, and abdomen. Label these.

3. Using the hand lens, examine the head. Locate and draw the following parts:

- Two long antennae- sensory organs for touch located at top
- Two large Compound eyes- located laterally, sensory organ for vision
- Three simple eyes or ocelli- between compound eyes and at each antennae base, sensory organ for vision

Grasshopper - Mouthparts



Grasshopper Observation And Dissection Answers

A Gutmann



Grasshopper Observation And Dissection Answers:

Whispering the Techniques of Language: An Emotional Quest through **Grasshopper Observation And Dissection Answers**

In a digitally-driven world wherever screens reign supreme and immediate conversation drowns out the subtleties of language, the profound secrets and psychological nuances concealed within words usually go unheard. Yet, located within the pages of **Grasshopper Observation And Dissection Answers** a captivating literary value sporting with raw feelings, lies an extraordinary quest waiting to be undertaken. Published by a talented wordsmith, this enchanting opus attracts viewers on an introspective trip, softly unraveling the veiled truths and profound impact resonating within the very cloth of each and every word. Within the emotional depths with this touching review, we will embark upon a heartfelt exploration of the book's core themes, dissect its charming publishing fashion, and fail to the strong resonance it evokes serious within the recesses of readers' hearts.

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