

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



Observing Grasshopper Anatomy Answers

KJ Lindholm-Leary



Observing Grasshopper Anatomy Answers:

Observing Grasshopper Anatomy Answers Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Observing Grasshopper Anatomy Answers**," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we shall delve to the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

<https://crm.avenza.com/files/Resources/Documents/number%20theory%20fourier%20analysis%20and%20geometric%20discrpancy%20giancarlo%20travaglini.pdf>

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