

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:

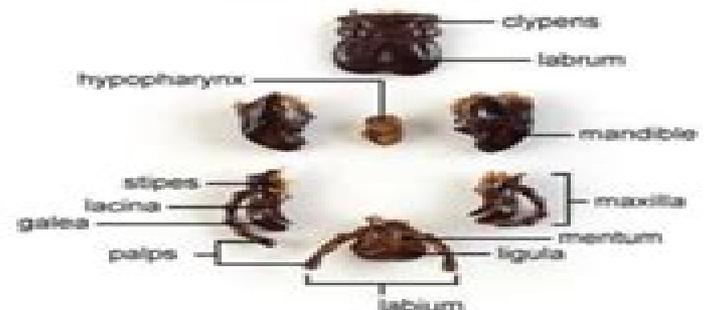
Preservatives used on grasshopper can irritate your skin. Avoid touching your eyes while working with the grasshopper

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 Dissection Answer Key To Questions

Science Council of Canada



Grasshopper Dissection Answer Key To Questions:

Unveiling the Power of Verbal Beauty: An Emotional Sojourn through **Grasshopper Dissection Answer Key To Questions**

In a world inundated with displays and the cacophony of immediate interaction, the profound energy and emotional resonance of verbal beauty frequently fade into obscurity, eclipsed by the continuous onslaught of sound and distractions. However, situated within the musical pages of **Grasshopper Dissection Answer Key To Questions**, a fascinating work of fictional brilliance that pulses with natural thoughts, lies an wonderful journey waiting to be embarked upon. Penned by way of a virtuoso wordsmith, that magical opus courses readers on a mental odyssey, softly exposing the latent possible and profound impact stuck within the complex internet of language. Within the heart-wrenching expanse of the evocative examination, we can embark upon an introspective exploration of the book is key themes, dissect its interesting writing model, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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