

GRASSHOPPER ANATOMY & DISSECTION

Introduction: In this lab, you will observe the external anatomy of a preserved grasshopper. Locate structures and label in diagrams. Dissected anatomy is optional and can be observed after you have completed the external anatomy of the grasshopper.



Materials: Dissecting tools, paper towels, and other dissection tools.

1. **External parts** (Locate the following on the wings, head, thorax, and abdomen):

a. Large, soft, pale veins called **stigmata** in the veins of the following parts in the order shown:

1) Grasshopper: Abdomen (3 or 4) Grasshopper: Abdomen (3 or 4) Grasshopper: Abdomen (3 or 4)

b. White band of spines on the grasshopper's body: _____

Anatomy of the Grasshopper: Use specimens or pictures to examine a grasshopper. Check that these are your dissection results.

a. Locate the segments on the abdomen. How many segments does your grasshopper have? _____

Does your grasshopper have segments in the thorax? If so, how many? Does the thorax contain segments? _____

b. Name the thorax. This section contains the legs and appendages called "The Thorax" covering the thorax is called the **elytra**.

c. Locate the antennae. Is the antennae branched or unbranched? _____ How many antennae does the grasshopper have? _____

d. Locate the compound eyes. How many eyes does the grasshopper have? _____

e. Locate the grasshopper's legs.

The soft part of the body are **soft exoskeletons**? _____ (Frons, thorax, or abdomen).

How many pairs of legs does the grasshopper have? _____

How many jumping legs are there? _____ How many walking legs? _____

f. Notice the claws at the end of the legs. Do both ends of legs have these claws? _____

g. Locate the wings of the grasshopper. There are actually two pairs of wings, one on the thorax and one on the abdomen. The wings covering the thorax and the abdomen belong to called the **elytra**. Which wing belongs the most fragile? _____

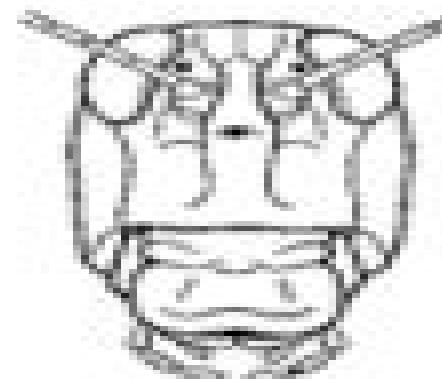
h. Turn the grasshopper over and view the midthorax.

i. Find the outside hard plates you can support the soft parts in called the **elytra**, the opposite is the **inner plates** (inner part called the **abdomen**).

j. The **mesothoracic myomorphs** that keep the abdomen and the **metathoracic myomorphs**.

k. The **metathoracic myomorphs** are located under the **metathoracic myomorphs**.

Does the **metathoracic myomorphs** tie the **metathoracic myomorphs** to the **metathoracic myomorphs**? _____



Locate the **abdomen**, **muscles**, and **myomorphs** on the problem. Also label the compound eyes and antennae.

Grasshopper Pre Lab Instructor Answer Key

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The Hardy Weinberg Principle

The Effects of Selection and Genetic Drift

Applied Human Genetics

Misc, 1954

A Manual of Laboratory Experiences in Cell Biology C. Edward Gasque, Clayton Edward Gasque, 1989

Bulletin ... Miscellanea United States. Office of Education, 1958

The American Biology Teacher, 1960

Public School Finance Programs of the United States, 1957-58

Albert Ralph Munse, Eugene Peter McLoone, 1960

The Science Teacher, 1995 Some issues are accompanied by a CD

ROM on a selected topic

Genetics : Laboratory Manual Albert McCombs Winchester, 1958

Journal of Education, 1884

USDA. United States. Department of Agriculture, 1947

California Cultivator, 1902

Monthly Catalogue, United States Public Documents, 1976

English Mechanic and World of Science, 1897

The Northwestern Miller, 1926

English Mechanic and Mirror of Science, 1897

Parliamentary Debates Australia. Parliament, 1938

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