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	Grasshopper dissection lab worksheet an	swer key
share our service with your friends. Thank you for your participation! Name: Internated the service with your know about classification to determine which of the following pairs is more Grasshopper - use specimens or images to examine a grasshopper, check the boxes as you compared to segments? 6. Look at your chest. It is the central area to which all apper many eyes does the grasshopper have? 9. Locate the grasshopper's legs. What part of the walk? 10. Look at the claws at the end of the legs. Do both legs have these claws? 1 most fragile? 12. Rotate the grasshopper and see the parts of the mouth	al anatomy is optional and can be observed after completing the external anatomy of the gost closely related. [Grasshopper & amp; Crayfish] or [Grasshopper & amp; Spider] or [Grasshopper	· · · · · · · · · · · · · · · · · · ·
eardrum. How many eardrums are in the grasshopper? 14. Look at the abdomen and fine-tu abdomen segment. Females have a large pair of pointed structures called ovipositor, which are us Abdomen Labrum Head Thorax *Choose a color for each structure, color the box and structure Intanimals on earth. The genus Romalea is a large grasshopper common in the southeastern United sucking, and two pairs of wings. Some insects may have a single pair of wings or have no wings. It issues. Its parts of the chewing or suction mouth are adapted to feed on plant or animal materials gloves, glasses, dissection pan, dissection kit with forceps and scalpel, t-pins, magnifying glass, preservative with water. Place the grasshopper in the dissection pan. Notice that the grasshopper	ine the row of holes along it; these are the spirácles and they work in breathing (breathing) sed to lay eggs on the ground. Is a grasshopper a man or a female? GRASSHO troduction: Insects are arthropods with articulated appendages, segmented bodies and an I States. Insects have three regions of the body (head, chest and abdomen), 3 pairs of leg Insect legs often adapt to dig, crawl, jump or swim. Insects are mostly terrestrial, breathe as Classification: Kingdom – Animalia Phylum – Artthropoda Class – Insect Order – Orthoporeserved grasshoppers, paper, pencil. Procedure (External Anatomy): Examine the entire body is divided into 3 regions: the head, chest, and abdomen. Label these in Figure 2. Ex	). How many spicles are you counting? 15. The sex of the grasshopper can be determined by looking at to DPPER COLORING Walking Leg Jumping Leg Claws Carapace Hindwing Forewing Tympanum Spiracles Antennal exoskeleton composed of chitin. Insects are in the Insect class, and are the largest and most diverse group of s attached to the chest, a single pair of antennae attached to the head, parts of the mouth adapted for chewing or air that enters small lateral openings in the body called spirácles and circulates in a system of ducts to all organs atter Objective: Identify and label the internal and external anatomy of a grasshopper. Materials: laboratory apron, grasshopper and identify the main subdivisions and body parts. Get a preserved grasshopper and rinse any tamine the head and locate the following parts: HEAD antennas (two, thin appendages) Compound eyes (2, large
composite eye 8. Ocelli Label the parts of the mouth, eyes and antenna in Figure 1. Using forceps walking and the last pair are for jumping) Wings (the front wings have a corable appearance and ptibia connects the femur to the tarsal segments (lower leg part). Label these in Figure 2. Remove a Label this in Figure 2. Using a magnifying glass, locate the tiny breathing spals or pores on either laying tube called an ovipositor. Males have a more rounded abdomen that rotates upwards. Label Observations & Expansion and Camping the Conclusion: Figure 1 – Grasshopper head (Label ALL parts.) Figure 2 – Expansion and the last pair of the legs adapt to hold the plants? 6. How does the third pair of legs and the plants? 6. How does the third pair of legs and the last parts are the last parts and the last parts are the last parts.	s, remove each of the appendages from the head and attached to table 1. Examine the follorotect the hind legs) Using forceps, remove one of the walking legs and identify these par a jumping leg and place the walking leg and skip the leg to table 1. Lift both pairs of wings side of the abdominal segments. Label these in Figure 2. Determine if your grasshopper is the opponent in Figure 2. ABDOMEN Spiracles (small openings on the side of somitas of external anatomy of the grasshopper (label ALL parts.) Table 1 – External Column of the Golain your answer. 2. What region of the insect body is specialized for movement and explain	retain food, and the lower lip or labium 1. Labrum 4. Labium 2. Jaws 5. 5. Palps 3. Palps Lipstick 6. Maxilla 7. lowing appendages in the chest (middle section of the grasshopper body): THORAX legs (the first 2 pairs are for the tail cox connects the femur (the thickest part of the leg) to the body of the grasshopper; a slender, thorny and locate the first abdominal segment. Locate the tympanic membrane or eardrum in the first abdominal segments a male or female looking at the end of your abdomen. Females have a conical abdomen that ends in a pointy ego body segments) Auditory organs (two located laterally in the 1st somita body or segment)Ovipositor (in the femalerasshopper (Attach ALL Parts.) Labrum Mandible Maxilla Labium Forwing Hindwing Walking Leg Jumping Leg Sexain why? 3. What is the purpose of compound eyes? simple-eyed? 4. List the oral parts of the grasshopper and the function). 8. How does the tympanic membrane help a grasshopper? 9. In what system do the spirals open in a oppers dig holes lay their eggs. Eggs.