

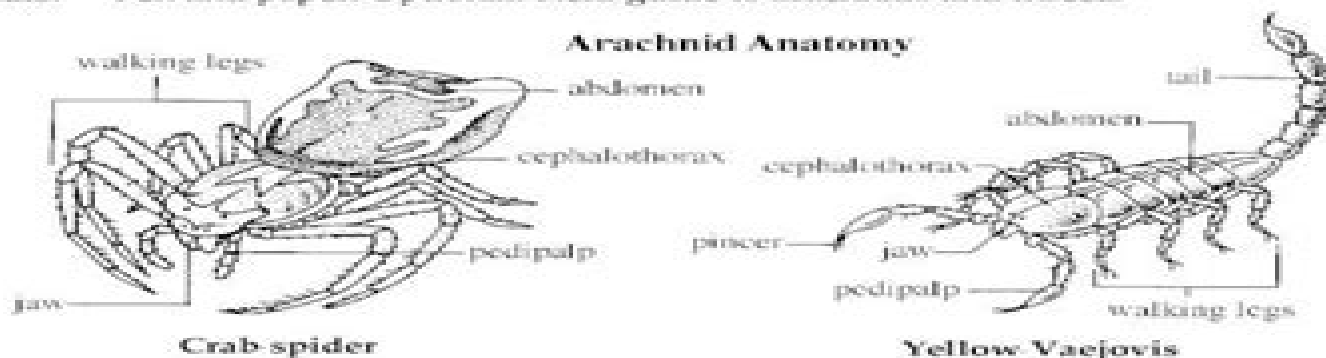
Using Dichotomous Keys to Identify Arachnids and Insects

Background: One kind of arachnid, the wind scorpion, is so named because it seems to run as fast as the wind. The sea spider, another arachnid, lives on the ocean floor. The trapdoor spider digs a hole in the ground, covers it with a silk trapdoor, camouflages the trapdoor with leaves, and waits for its prey to walk across the trapdoor. When its prey passes above, the spider feels the vibrations and opens the trapdoor to make the capture. These arachnids are only three examples of the thousands of different types of arachnids. Arachnids, as well as other organisms, are often identified by their physical traits. A dichotomous key, based on visible physical traits, can help you identify members of a group of related organisms. Dichotomous means branching into two parts. As you use a dichotomous key, you read pairs of descriptions and decide which description of each pair is true about the organism you are identifying. In this laboratory you will use and make dichotomous keys for the identification of some arachnids and other arthropods. **You still to include your own background on why insects are the most successful arthropod class.**

Objectives:

- Use a dichotomous key to identify types of arachnids.
- Construct a dichotomous key for the identification of some insects.
- Hypothesis none
- Variables none

Materials: Pen and paper. Optional: Field guide to arachnids and insects



Part A: Using A Dichotomous Key

1. Before you use the dichotomous key to identify the arachnids on the attached page, review arachnid anatomy by studying the diagrams above. In all arachnids the body is divided into two sections: the cephalothorax and the abdomen. Find the cephalothorax and the abdomen in each arachnid. Note how these body sections are joined. Observe whether the abdomen is segmented or lacks segments (example, "h" is segmented). All arachnids have six pairs of appendages: one pair of jaws, eight walking legs and two pedipalps.
2. Use the dichotomous key on the next page to identify each arachnid (a-n). Beginning with the first pair of statements, decide which statement is true for the arachnid. Proceed to the next pair of statements as directed by the key. When the key lists a name rather than a number of a statement pair, then you have identified the arachnid. Be sure to record each step of the key you used to identify the arachnid.

Using Dichotomous Keys To Identify Arachnids And Insects Answers

Paul A. Rees



Using Dichotomous Keys To Identify Arachnids And Insects Answers:

Jacaranda Science Quest 7 Victorian Curriculum, 3e learnON and Print Graeme Lofts, 2025-08-25 **Key Questions in Ecology** Paul A. Rees, 2020-08-18 This book is intended as a study and revision guide for students following programmes of study in which ecology is an important component It contains 500 multiple choice questions and answers set at three levels foundation intermediate and advanced **The Kitchen Pantry Scientist Biology for Kids** Liz Lee Heinecke, 2021-05-25 Each Hands On Activity In This Engaging Series from the Kitchen Pantry Scientist opens with a fascinating illustrated profile of an incredible scientist and is accompanied by a step by step experiment that explores their work Experiments range from very simple projects using materials you probably already have on hand to more advanced ones that will keep young learners engaged for hours Just a few of the incredible biologists featured include Create imaginary Galapagos finches and make eggs float on salt water Make a flask like Pasteur's to grow microbes from the air Use cookie crumbs to attract ants Observe the behavior of ants and other animals Book jacket Y.E.S. Quarterly , 2003

Examining Ecology Paul A. Rees, 2017-11-27 Examining Ecology Exercises in Environmental Biology and Conservation explains foundational ecological principles using a hands on approach that features analyzing data drawing graphs and undertaking practical exercises that simulate field work The book provides students and lecturers with real life examples to demonstrate basic principles The book helps students instructors and those new to the field learn about the principles of ecology and conservation by completing a series of problems Prior knowledge of the subject is not assumed the work requires users to be able to perform simple calculations and draw graphs Most of the exercises in the book have been used widely by the author's own students over a number of years and many are based on real data from published research Exercises are succinct with a broad number of options which is a unique feature among similar books on this topic The book is primarily intended as a resource for students academics and instructors studying teaching and working in zoology ecology biology wildlife conservation and management ecophysiology behavioural ecology population biology and ecology environmental biology or environmental science Students will be able to progress through the book attempting each exercise in a logical sequence beginning with basic principles and working up to more complex exercises Alternatively they may wish to focus on specific chapters on specialist areas e.g population dynamics Many of the exercises introduce students to mathematical methods calculations use of formulae drawing of graphs calculating simple statistics Other exercises simulate fieldwork projects allowing users to collect and analyze data which would take considerable time and effort to collect in the field Facilitates learning about the principles of ecology and conservation biology through succinct yet comprehensive real life examples problems and exercises Features authoritatively and consistently written foundational content in biodiversity ecophysiology behavioral ecology and more as well as abundant and diverse cases for applied use Functions as a means of learning ecological and conservation related principles by doing e.g by analyzing data drawing graphs and undertaking

practical exercises that simulate field work and more Features approximately 150 photos and figures created and produced by the author *The Forestry Chronicle* ,1987 *Insects and Arachnids Q&a Book* ,2020-08-04 [Insects and Arachnids of Tropical Stored Products](#) P. Dobie,1991 Updated and revised this manual includes identification keys and information on the basic biology and recognition for all the major tropical storage insect and mite pests plus those of lesser importance Apart from its role as a training aid this manual will be invaluable as a reference book for researchers and those concerned with the management of pests in tropical stored products **Spiders and Other Arachnids** ,2001 Questions and answers explore the world of spiders **Insects and Spiders** Cecil Paul Friedlander,Denis Andrew Priest,1955 [101 Amazing Facts about Spiders](#) Jack Goldstein,2014-09-03 Do you know the difference between a spider web and a cobweb What are the two sections of a spider s body called Which spider holds the record for the largest legspan And which species wears the drained corpses of its victims on its back All of these questions and more are answered in this fascinating eBook containing over one hundred facts separated into sections for easy reference So if you want to know the various uses to which spiders put their silk or the origin of the tarantella dance then this is the book for you [The Spider Book](#) John Henry Comstock,1940 **Insects and Arachnids** Carla Mooney,2021-12-15 This field guide has 100 entries highlighting a variety of insects and arachnids Readers will gain a greater understanding about these living creatures and will be able to identify them in the wild Features include a helpful introduction to the topic a glossary additional resources and an index Aligned to Common Core Standards and correlated to state standards Abdo Reference is an imprint of Abdo Publishing a division of ABDO **The Spider Book** John Henry Comstock,1913 **The Spider Book** John Henry Comstock,1948 **The Spider Book** John Henry Comstock,1971 *Insect Or Arachnid?* Ezra E. Knopp,2025-07-30 Maybe you just call them all bugs but there are key differences between the bugs we call insects and the bugs we call arachnids Which one has six legs and which one has eight Which one can have wings and antenna Readers will enjoy discovering the answers to these and other fascinating questions inside this colorful dynamic volume The manageable text and vibrant photographs were designed to encourage readers to think critically about the natural world and to inspire a new generation of entomologists Provided by publisher **Spiders and Other Arachnids** Steven Otfinoski,2001-01-01 Questions and answers explore the world and relatives of the cottontail **Insects and Spiders** George McGavin,2005 Whether you are an insect lover or an up and coming arachnid expert learn everything you need to know to quickly and identify easily over 800 insects and spiders found in the UK and Europe From wasps to centipedes this is the ideal in the field or on the move reference **Spiders of North America** Darrell Ubick,Pierre Paquin,Paula Elizabeth Cushing,Vincent D. Roth,2017 This beautifully illustrated and updated guide to the spider families and genera north of Mexico is an indispensable reference for both amateur naturalists and professional arachnologists It provides keys to over 600 genera in 71 different families

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