

Student Exploration: Dichotomous Keys

Vocabulary: dichotomous key, genus, organism, scientific name, species, traits

Prior Knowledge Question (Do this BEFORE using the Gizmo.)



Jerome is walking through a park when he sees the spider shown at left. How could Jerome find out what type of spider it is?

Jerome can use a chart called the Dichotomous Key to find out what characteristics and features the spider has to find out what the type of spider he sees is.

Gizmo Warm-up

In the field, scientists often have to identify an unfamiliar **organism** (living thing). A reliable way to identify organisms is to use a **dichotomous key**. A dichotomous key is a series of paired statements or questions that lead to the identification of an organism.

The *Dichotomous Keys* Gizmo allows you to use five different dichotomous keys to identify a variety of organisms. To begin, make sure **California Albatrosses** and **Organism A** are selected.



1. Read the two statements at lower right. Which of the two statements most closely matches the characteristics of the bird pictured?

Large areas of the bird's body are covered in white feathers.

2. Select that statement and click **Next**. Continue until you have correctly identified the albatross. If you change your mind about a choice, you can click the **Back** button. If you incorrectly identify the albatross, you can click the **Start Over** button and try again.
 - A. What is the name of the albatross? The name of the Albatross is identified as the Short-Tailed Albatross.
 - B. The **scientific name** is shown in italics. Scientific names have two parts: the **genus** name and the **species** name. What is the scientific name of this albatross?

The scientific name for the Short-Tailed Albatross is the *Phoebastria albatrus*.

Answers For Dichotomous Key Student Exploration Guide

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