

Read Free Cenozoic Mammals Of Africa Read Pdf Free

***A Field Guide to the Larger Mammals of Africa* Nov 01 2020** Illustrated handbook provides descriptions of the characteristics, habits, distribution, and migration patterns of African mammals

Mammals of Africa: Volume I Nov 25 2022 Mammals of Africa (MoA) is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With more than 1,160 species and 16-18 orders, Africa has the greatest diversity and abundance of mammals in the world. The reasons for this and the mechanisms behind their evolution are given special attention in the series. Each volume follows the same format, with detailed profiles of every species and higher taxa. The series includes hundreds of colour illustrations and pencil drawings by Jonathan Kingdon highlighting the morphology and behaviour of the species concerned, as well as line drawings of skulls and jaws by Jonathan Kingdon and Meredith Happold. Every species also includes a detailed distribution map. Edited by Jonathan Kingdon, David Happold, Tom Butynski, Mike Hoffmann, Meredith Happold and Jan Kalina, and written by more than 350 authors, all experts in their fields, Mammals of Africa is as comprehensive a compendium of current knowledge as is possible. Extensive references alert readers to more detailed information. This first volume in the series comprises eight introductory chapters covering topics such as evolution, geography and geology, biotic

zones, classification, behaviour and morphology. The rest of the book is devoted to the Afrotheria, a grouping that comprises six orders and 49 species; these are the hyraxes, elephants, manatees, otter-shrews, golden-moles, sengis (elephant-shrews) and Aardvark.

The Mammals of the Southern African Sub-region Jan 04 2021 This comprehensive volume covers all mammals that occur naturally on the African mainland south of the Cunene and Zambezi rivers, and also in the subregion's coastal waters. Extensively revised and updated for the new edition, it now includes the latest data from mammal research in southern Africa along with the radical taxonomic changes across all levels of mammalian classification. Containing contributions from specialists on each mammalian order, each species description has been reviewed by a range of independent and internationally recognised authorities. Along with the latest taxonomic information, the distribution maps and illustrations have been updated and redrawn, several new colour plates have been added, and the whole design has been enhanced to aid access to key information. This is the most comprehensive and up-to-date survey of southern-African mammals and forms an essential reference for zoologists, evolutionary biologists and anyone wanting an overview of the region's wildlife.

Mammals of Africa: Volume V Apr 18 2022 Mammals of Africa (MoA) is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With more than 1,160 species and 16-18 orders, Africa has the greatest diversity and abundance of mammals in the world. The reasons for this and the mechanisms behind their evolution are given special

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Smithers' Mammals of Southern Africa Jan 22 2020 Based on Reay Smithers' original work *Land Mammals of Southern Africa*, this revised and expanded field guide to Southern African mammals is intended for the general reader as well as the wildlife enthusiast.

Mammals of Africa: Volume VI Oct 13 2021 *Mammals of Africa (MoA)* is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With more than 1,160 species and 16-18 orders, Africa has the greatest diversity and abundance of mammals in the world. The reasons for this and the

mechanisms behind their evolution are given special attention in the series. Each volume follows the same format, with detailed profiles of every species and higher taxa. The series includes hundreds of colour illustrations and pencil drawings by Jonathan Kingdon highlighting the morphology and behaviour of the species concerned, as well as line drawings of skulls and jaws by Jonathan Kingdon and Meredith Happold. Every species also includes a detailed distribution map. Edited by Jonathan Kingdon, David Happold, Tom Butynski, Mike Hoffmann, Meredith Happold and Jan Kalina, and written by more than 350 authors, all experts in their fields, Mammals of Africa is as comprehensive a compendium of current knowledge as is possible. Extensive references alert readers to more detailed information. Volume VI, edited by Jonathan Kingdon and Michael Hoffmann, comprises a single order, currently subdivided into three suborders, containing the hippopotamuses, pigs, chevrotains, deer, Giraffe, Okapi, buffalos, spiral-horned antelopes, dwarf antelopes, duikers, grysboks, Beira, dik-diks, gazelles, Klipspringer, Oribi, reduncines, Impala, alcelaphines, horse-like antelopes, sheep and goats; the volume contains 98 species profiles.

Mammals of Africa Apr 30 2023 A major new multi-volume reference work on African mammals and a landmark publishing event.

The Kingdon Pocket Guide to African Mammals Feb 14 2022 Originally published in 2004, the Kingdon Pocket Guide to African Mammals quickly became the field guide of choice to take on African safaris. Its compact format makes it ideal for use in the field, while its coverage is the most comprehensive currently possible in this format. Adapted from the Kingdon Field Guide to African Mammals, the greatly condensed text focuses on essential information such as identification and distribution, while the author's superb illustrations have been rearranged into an easy-to-use plate format and placed opposite the text.

Complex and more obscure groups like the bats and certain rodent families are summarised by genera. Over 500 maps plot the distribution of all larger species, and for smaller mammals the maps show distribution by genus. This is a completely revised second edition of this popular guide. The information and taxonomy have been updated to follow the newly published second edition of the Kingdon Field Guide to African Mammals (2015), and this new edition of the pocket guide contains several new species and illustrations. The maps have been completely replaced and there are now 200 more maps than in the original edition.

***East African Mammals* Feb 23 2020**

Mammals of Africa: Carnivores, pangolins, equids and rhinoceroses Jun 28 2020 **Mammals of Africa (MoA) is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With more than 1,160 species and 16-18 orders, Africa has the greatest diversity and abundance of mammals in the world. The reasons for this and the mechanisms behind their evolution are given special attention in the series. Each volume follows the same format, with detailed profiles of every species and higher taxa. The series includes hundreds of colour illustrations and pencil drawings by Jonathan Kingdon highlighting the morphology and behaviour of the species concerned, as well as line drawings of skulls and jaws by Jonathan Kingdon and Meredith Happold. Every species also includes a detailed distribution map. Edited by Jonathan Kingdon, David Happold, Tom Butynski, Mike Hoffmann, Meredith Happold and Jan Kalina, and written by more than 350 authors, all experts in their fields, Mammals of Africa is as comprehensive a compendium of current knowledge as is**

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The Behavior Guide to African Mammals May 27 2020
Drawing on his own extensive fieldwork and on the research of many other scientists, the author describes and explains the behavior of four major groups of mammals. Hoofed Mammals: Antelopes and Other Ruminants; Hoofed Mammals: Nonruminants; Carnivores, and Primates

Pocket Guide Mammals of Southern Africa Mar 06 2021
Southern Africa is home to a wealth of mammal species, occupying a great diversity of habitats. This easy-to-use, compact book is the perfect pocket identification guide to mammals of the region. It covers - in surprising detail - some 120 mammals, from the smallest (bats, sengis and shrews) to the largest, such as elephant, lion and rhinoceros, as well as marine species, such as seals, dolphins and whales. Authoritative and colourfully illustrated, this guide offers concise information on key ID pointers, similar species, habitat, behaviour, diet, reproduction, longevity, calls, occurrence and measurements. Clear images of each animal, distribution maps, silhouettes indicating size relative to humans and illustrations of tracks and droppings make this a must-have book for tourists and nature-lovers alike.

East African Mammals Apr 06 2021 Detailed anatomical illustrations accompany information on the appearance, habits, geographical distribution, and evolutionary changes of the smaller mammals of Kenya, Uganda, and Tanzania.
Bibliogs

Mammals of Africa: Volume II Jun 20 2022 *Mammals of*

Africa (MoA) is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With more than 1,160 species and 16-18 orders, Africa has the greatest diversity and abundance of mammals in the world. The reasons for this and the mechanisms behind their evolution are given special attention in the series. Each volume follows the same format, with detailed profiles of every species and higher taxa. The series includes hundreds of colour illustrations and pencil drawings by Jonathan Kingdon highlighting the morphology and behaviour of the species concerned, as well as line drawings of skulls and jaws by Jonathan Kingdon and Meredith Happold. Every species also includes a detailed distribution map. Edited by Jonathan Kingdon, David Happold, Tom Butynski, Mike Hoffmann, Meredith Happold and Jan Kalina, and written by more than 350 authors, all experts in their fields, Mammals of Africa is as comprehensive a compendium of current knowledge as is possible. Extensive references alert readers to more detailed information. Volume II is edited by Thomas Butynski, Jonathan Kingdon and Jan Kalina and contains profiles of 93 species of primates; this includes the great apes, Old World monkeys, lorises and galagos.

***The Kingdon Field Guide to African Mammals* Dec 27 2022 Jonathan Kingdon, one of the world's foremost authorities on African mammals, has both written and illustrated this landmark field guide. The unique combination of his extensive field experience and artistic talent has produced a stunning work that sets new standards. The concise text provides full information on identification, distribution, ecology, relationships and conservation status, with introductory profiles that summarise the characteristics of**

each mammal group. All known species of African land mammal are covered, with coverage of several of the more complex groups of small mammals simplified by reference to genera. Classification has been fully updated and this new edition includes many newly recognised species. With over 780 colour illustrations, numerous line drawings and more than 520 maps, this book will be an essential companion to anyone visiting Africa or with an interest in the mammals of the continent. Competition note: There are regional mammal books covering southern Africa, for example, but none that covers the whole continent in a portable format. The smaller-format and more concise Kingdon Pocket Guide to African Mammals may be more appealing to a more general safari market, but is much less comprehensive and more out of date.

Cenozoic Mammals of Africa Feb 26 2023 "This impressively comprehensive volume is a long-awaited and worthy successor to the now outdated 1978 classic, Evolution of African Mammals. A must-have reference work for everyone interested in mammalian evolution." David Pilbeam, Harvard University and the Peabody Museum of Archaeology and Ethnology --

East African Mammals Jun 08 2021 Acclaimed and coveted by both naturalists and lovers of wildlife illustration, Jonathan Kingdon's seven-volume East African Mammals has become a classic of modern natural history. This paperback edition makes Kingdon's remarkable artistic and scientific achievement—his hundreds of drawings and perceptive study of all the mammals in East Africa's species-rich fauna—available to the wide audience it deserves. Volume IIIA documents the carnivores of East Africa—lions, cheetahs, jackals, otters, civets, genets, mongooses, hyenas, and such lesser-known species as the zorilla and the aardwolf. The beauty of the animals, so vivid in these incomparable drawings, is made more poignant by the acknowledgment of their increasingly endangered status. Kingdon discusses the inevitable problems posed by

large mammal communities in a developing continent and includes numerous maps indicating their declining ranges and populations.

The Mammals of South Africa Aug 11 2021
***Mammals of Africa: Volume IV* Jul 22 2022** Mammals of Africa (MoA) is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With more than 1,160 species and 16-18 orders, Africa has the greatest diversity and abundance of mammals in the world. The reasons for this and the mechanisms behind their evolution are given special attention in the series. Each volume follows the same format, with detailed profiles of every species and higher taxa. The series includes hundreds of colour illustrations and pencil drawings by Jonathan Kingdon highlighting the morphology and behaviour of the species concerned, as well as line drawings of skulls and jaws by Jonathan Kingdon and Meredith Happold. Every species also includes a detailed distribution map. Edited by Jonathan Kingdon, David Happold, Tom Butynski, Mike Hoffmann, Meredith Happold and Jan Kalina, and written by more than 350 authors, all experts in their fields, Mammals of Africa is as comprehensive a compendium of current knowledge as is possible. Extensive references alert readers to more detailed information. Volume IV, edited by Meredith Happold and David Happold, contains profiles of 156 species of insectivores, comprising the hedgehogs and shrews. The rest of the volume is devoted to the 224 species of African bats. The latter are divided into nine families, namely fruit bats, horseshoe bats, leaf-nosed bats, false vampire bats, mouse-tailed bats, sheath-tailed bats, slit-faced bats, free-tailed bats and vesper bats.

The Mammals of Africa Oct 01 2020

Mammals of Africa: Volume III Oct 25 2022 Mammals of Africa (MoA) is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With more than 1,160 species and 16-18 orders, Africa has the greatest diversity and abundance of mammals in the world. The reasons for this and the mechanisms behind their evolution are given special attention in the series. Each volume follows the same format, with detailed profiles of every species and higher taxa. The series includes hundreds of colour illustrations and pencil drawings by Jonathan Kingdon highlighting the morphology and behaviour of the species concerned, as well as line drawings of skulls and jaws by Jonathan Kingdon and Meredith Happold. Every species also includes a detailed distribution map. Edited by Jonathan Kingdon, David Happold, Tom Butynski, Mike Hoffmann, Meredith Happold and Jan Kalina, and written by more than 350 authors, all experts in their fields, Mammals of Africa is as comprehensive a compendium of current knowledge as is possible. Extensive references alert readers to more detailed information. Volume III, edited by David Happold, has profiles of 395 species of rodents, comprising the squirrels, dormice, jerboas, blind mole-rats, African root-rats, pouched rats and mice, Swamp Mouse, climbing mice, fat mice, White-tailed Rat, rock mice, voles, Maned Rat, spiny mice, brush-furred mice, gerbils, jirds, taterils, African Forest Mouse, rats and mice, vlei rats, whistling rats, anomalures, springhares, gundis, African mole-rats, porcupines, Noki (Dassie Rat), cane rats and Coypu. The volume concludes with 13 species of hares and rabbits.

The Kingdon Field Guide to African Mammals Jan 28 2023
This ebook is the complete guide to the mammal fauna of Africa. Optimised for iPad, this guide will enable identification of all 460 land mammals likely to be seen anywhere in Africa. Detailed accounts, with colour illustrations, are provided for most species, but some complex small mammal groups are summarized by genera. The colour illustrations show both sexes in sexually dimorphic species, and there are also a wealth of line drawings illustrating typical behaviours, the function of camouflaged or disruptive markings and the details of interspecific variation among closely allied species. Fully zoomable distribution maps show the ranges of most species covered. Heading to any part of Africa? Don't leave home without this indispensable guide.

Evolution of African Mammals Apr 26 2020

East African Mammals Mar 25 2020 Acclaimed and coveted by both naturalists and lovers of wildlife illustration, Jonathan Kingdon's seven-volume East African Mammals has become a classic of modern natural history. This paperback edition makes Kingdon's remarkable artistic and scientific achievement—his hundreds of drawings and perceptive study of all the mammals in East Africa's species-rich fauna—available to the wide audience it deserves. Volume IIIA documents the carnivores of East Africa—lions, cheetahs, jackals, otters, civets, genets, mongooses, hyenas, and such lesser-known species as the zorilla and the aardwolf. The beauty of the animals, so vivid in these incomparable drawings, is made more poignant by the acknowledgment of their increasingly endangered status. Kingdon discusses the inevitable problems posed by large mammal communities in a developing continent and includes numerous maps indicating their declining ranges and populations.

A Field Guide to the Larger Mammals of Africa May 20 2022

The Complete Book of Southern African Mammals Feb 02

2021

Classification of Southern African Mammals Dec 03 2020
Field Guide to the Larger Mammals of Africa Sep 23 2022

A new guide to all the larger African mammals, fully illustrated, with over 400 color photos for easy identification. Concentrates on the more visible and easily distinguished larger mammal species, as well as on some of the more frequently seen smaller mammals. Gives detailed coverage of all the families except bats, smaller insectivores, and smaller rodents. This book does cover the five species of hedgehogs, the pangolins, and rabbits, ground squirrels, springhare, and porcupines.

***Stuarts' Field Guide to the Larger Mammals of Africa Jul 10 2021* Of the more than 5,500 mammals species worldwide, at least 1,200 occur in Africa. Stuarts' Field Guide to the Larger Mammals of Africa concentrates on the more visible and easily distinguished larger species, as well as some of the more frequently seen smaller mammals. This new edition has been extensively revised, expanded and redesigned and includes: the most recent research and taxonomy, revised distribution maps and many new images, colour-coded grouping of orders, size icons, detailed descriptions of each species, offering insight into key identification characters, typical behaviour, preferred habitat, food choice, reproduction and longevity, whales and dolphins now featured too. Sales points: text extensively updated, now includes marine mammals of the region, reflects latest changes in taxonomy, including many new species, fresh new design, all distribution maps revised.**

The Behavior Guide to African Mammals Sep 11 2021 "A work of tremendous scope. . . . Amateur naturalists and tourists to the parks of Africa and finally professionals will find this a stimulating, well-documented summary."--John F. Eisenberg, Florida Museum of Natural History "We have seen in the field how very helpful and informative The Behavior Guide is. Our knowledgeable safari guides turned

often to their prized and already well-thumbed copies, and we continue to refer to ours now that we are back home."--Douglas F. Williamson, Jr., National Council, World Wildlife Fund, U.S. "A fascinating, perceptive, and enjoyable travel companion heightens the pleasure of being afield. The Behavior Guide to African Mammals is that ideal companion. Lucid, accurate, and marvelously illustrated, the book is a basic reference for anyone interested in natural history."--George B. Schaller, author of *The Serengeti Lion* and *The Deer and the Tiger* "A remarkable review of what is known about the larger African mammals."--A.R.E. Sinclair, The Ecology Group, University of British Columbia

Pocket Guide to Mammals of East Africa Aug 23 2022 East Africa comprises a range of habitats that provide living space for more than 360 diverse species of mammal. These vary in size from the massive elephant to the tiniest bats, shrews and mice. This compact guide covers all of the common and some of the less common mammal species of the region. For each species it offers: • key identification features, behaviour, diet, breeding biology, occurrence and size • clear, full-colour photographs • track illustrations • silhouettes to indicate size relative to human figure • distribution map A section on droppings/dung of many of the animals, as well as that of relative tracks, conclude the book. Compact and easy-to-use, this is the ideal companion both for regulars and visitors to the region.

Mammals of Africa Mar 18 2022 "Mammals of Africa (MoA) is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With 1,160 species and 16 orders, Africa has the greatest diversity and abundance of mammals in the world.

The reasons for this and the mechanisms behind their evolution are given special attention in the series. Each volume follows the same format, with detailed profiles of every species and higher taxa. The series includes some 660 colour illustrations by Jonathan Kingdon and his many drawings highlight details of morphology and behaviour of the species concerned. Diagrams, schematic details and line drawings of skulls and jaws are by Jonathan Kingdon and Meredith Happold. Every species also includes a detailed distribution map. Extensive references alert readers to more detailed information. Volume II: Primates."--Bloomsbury Publishing...

East African Mammals Aug 30 2020 Acclaimed and coveted by both naturalists and lovers of wildlife illustration, Jonathan Kingdon's seven-volume East African Mammals has become a classic of modern natural history. This paperback edition makes Kingdon's remarkable artistic and scientific achievement—his hundreds of drawings and perceptive study of all the mammals in East Africa's species-rich fauna—available to the wide audience it deserves. Volume IIIB celebrates the large mammals for which the African plains are so famous—elephants, rhinos, zebras, bushpigs, and warthogs, hippopotamuses, camels, chevrotains, giraffes. Kingdon brings his artist's eye to such puzzles as the zebra's stripes and the giraffe's spots, making original observations throughout the seven volumes about the evolutionary and functional significance of coat color, facial expressions, and curious forms and markings. The beauty of the animals, so vivid in these incomparable drawings, is made more poignant by the acknowledgment of their increasingly endangered status. Kingdon discusses the inevitable problems posed by large mammal communities in a developing continent and includes numerous maps indicating their declining ranges and populations.

***A Field Guide to the Mammals of Africa Including Madagascar* Jan 16 2022 Covers almost every species of**

mammal found in continental Africa. A vital companion for anyone visiting Africa.

The Collins Field Guide to the Mammals of Africa Including Madagascar Jul 30 2020

Mammals of Africa Mar 30 2023 Mammals of Africa (MoA) is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With 1,160 species and 16 orders, Africa has the greatest diversity and abundance of mammals in the world. The reasons for this and the mechanisms behind their evolution are given special attention in the series. Each volume follows the same format, with detailed profiles of every species and higher taxa. The series includes some 660 colour illustrations by Jonathan Kingdon and his many drawings highlight details of morphology and behaviour of the species concerned. Diagrams, schematic details and line drawings of skulls and jaws are by Jonathan Kingdon and Meredith Happold. Every species also includes a detailed distribution map. Extensive references alert readers to more detailed information. Volume I: Introductory Chapters and Afrotheria (352 pages) Volume II: Primates (560 pages) Volume III: Rodents, Hares and Rabbits (784 pages) Volume IV: Hedgehogs, Shrews and Bats (800 pages) Volume V: Carnivores, Pangolins, Equids and Rhinoceroses (560 pages) Volume VI: Pigs, Hippopotamuses, Chevrotain, Giraffes, Deer and Bovids (704 pages)

The Mammals of Africa May 08 2021

Field Guide to Mammals of Southern Africa Dec 23 2019 Southern Africa has a wealth of mammal species, a total of 337 - all of which are covered in this fully revised comprehensive field guide. While the term 'African

mammals' conjures up the more celebrated species of elephant, lion, buffalo, leopard and rhino, it is in fact the smaller animals - shrews, genets, suricates and bats - that comprise the bulk of the region's mammal species. And, often overlooked but included here too is the diversity of marine mammals - seals, whales and dolphins - that are found in our oceans. This new edition of Field Guide to Mammals of Southern Africa has been extensively revised to include the most recent research in line with new findings and new taxonomy. Up-to-date information, revised distribution maps and new images (where available) have been combined in a modern, full-color layout. Color-coding has been introduced according family groupings and spoor and size icons are included for quick reference with each mammal entry. Another new feature is the inclusion of skulls, grouped at the back of the book for easy comparison. In addition to detailed descriptions of each species, the text offers insight into key identification characters, typical behavior, preferred habitat, food choice and reproduction.

Mammals of Africa: Introductory chapters and Afrotheria
Nov 13 2021 **Mammals of Africa (MoA) is a series of six volumes which describes, in detail, every currently recognized species of African land mammal. This is the first time that such extensive coverage has ever been attempted, and the volumes incorporate the very latest information and detailed discussion of the morphology, distribution, biology and evolution (including reference to fossil and molecular data) of Africa's mammals. With more than 1,160 species and 16-18 orders, Africa has the greatest diversity and abundance of mammals in the world. The reasons for this and the mechanisms behind their evolution are given special attention in the series. Each volume follows the same format, with detailed profiles of every species and higher taxa. The series includes hundreds of colour illustrations and pencil drawings by Jonathan Kingdon highlighting the morphology and**

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East African Mammals Dec 15 2021 Detailed anatomical illustrations accompany information on the appearance, habits, geographical distribution, and evolutionary changes of the smaller mammals of Kenya, Uganda, and Tanzania.

Bibliogs

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