

A Field Guide To Rocks And Minerals

This book is an illustrative introduction to metamorphic rocks as seen in the field, designed for advanced high school to graduate-level earth science and geology students to jump-start their observational skills. In addition to photographs of rocks in the field, there are numerous line diagrams and examples of metamorphic features shown in thin se

2009 recipient of the Geological Association of Canada Neale Medal Have you ever been walking at the beach and wondered what that pebble or rock is, or do you ever wonder what stories rocks tell? If so, then this is the guide for you. The Field Guide to the Identification of Pebbles , a full colour, laminated, accordion folded, easy to use guide with over 80 beautiful photographs of pebbles from beaches and rivers. Use the photos to identify over 28 different types of rocks and minerals. A great resource for Earth Science curriculum units in schools, the short text deals with how rocks form and how to tell if a rock is igneous, sedimentary or metamorphic. It also provides some fun facts about minerals in our daily lives. Identifies common and uncommon minerals and rocks from around the world. Perfect for mountain climbers, hikers, and geology enthusiasts, this valuable reference covers more rocks and minerals in North America than any other available guide. Featuring a durable vinyl binding and nearly 800 full-color identification photographs, the National Audubon Society Field Guide to Rocks and Minerals is the perfect companion for any expedition. This portable guide depicts all the important rocks, gems, and minerals -- in many variations of color and crystal form -- and the natural environments in which they occur, and includes written descriptions of field marks, similar rocks and minerals, environment, areas of occurrence, and derivation of names. Includes a guide to mineral collecting and a list of rock-forming minerals.

A Guide to Field Identification

A Field Guide to the Great Lake State

The Field Description of Igneous Rocks

Arizona Rocks & Minerals

A Field Guide to the Land of 10,000 Lakes

Rocks, Gems and Minerals

Your Must-Have Guide to New York's Rocks and Minerals Get the perfect guide to rocks and minerals of the Empire State This book by Dan R. Lynch and Bob Lynch features comprehensive entries for 105 New York rocks and minerals, from common rocks to rare finds. Learn from the fascinating information about everything from garnets and "Herkimer diamonds" to fossils and labradorite. The easy-to-use format means you'll quickly find what you need to know and where to look. The authors' incredible, sharp, full-color photographs depict the detail needed for identification--no need to guess from line drawings. With this field guide in hand, identifying and collecting is fun and informative. Detailed full-color spreads help beginning naturalists observe and understand over 150 types of rocks and minerals.

Get this incomparable field guide to 115 of Colorado's rocks and minerals. Full-color photos and the details you need for identifying and collecting make this a perfect book to bring with you on your explorations. Give it as a gift, and keep one too! "Find adventure! Go outside! Have fun! Be a rock hound!"--Cover.

The Field Guide to Geology

Sedimentary Rocks in the Field

National Geographic Pocket Guide to Rocks and Minerals of North America

A Field Guide in Color to Minerals, Rocks and Precious Stones

Rocks and Rock Formations

Find Adventure! - Go Outside! - Have Fun! - Be a Rock Hound!

Get this incomparable field guide to 96 of Michigan's rocks and minerals. Full-color photos and the details you need for identifying and collecting make this a perfect book to bring with you on your explorations. Give it as a gift, and keep one too!

Compiles information on the physical and chemical properties of 512 minerals and more than 50 precious stones and rocks

The Second Edition of this unique pocket field guide has been thoroughly revised and updated to include advances in physical volcanology, emplacement of magmas and interpreting structures and textures in igneous rocks. The book integrates new field based techniques (AMS and geophysical studies of pluton shape) with new topics on magma mixing and mingling, sill emplacement and magma sediment interaction. Part of the successful Field Guide series, this book includes revised sections on granitic and basaltic rocks and for the first time a new chapter on the engineering properties of igneous rocks. The Geological Field Guide Series is specifically designed for scientists and students to use in the field when information and resources may be more difficult to access. Many editions have been updated for 2011 and the guides are: Student-friendly in design and cost

Durable Lightweight Pocket-sized Reliable Concise Visit the series homepage at www.wiley.com/go/geologicalfield

"Ideas and concepts in sedimentology are changing rapidly, but field work and data collection remain the basis of the science. This book is intended as a guide to the recognition and description of sedimentary rocks in the field. It aims to help students and professional geologists know what to observe and record, and how best to interpret this data. The emphasis is on illustrating the principal types of sedimentary rocks, which is accomplished through more than 450 color photos and explanatory drawings. The introductory chapter defines the main types of sedimentary rocks, their classification, and their economic significance. The author then goes on to describe standard field techniques and provides a comprehensive summary of the principal characteristics of sedimentary rocks. Additional chapters cover each of the main rock types and describe how to interpret rocks and their features in terms of depositional environments." "This book is an ideal field companion for undergraduate and graduate students of geology, environmental sciences, hydrogeology, oceanography, and more. Professionals in petroleum geology and resource management, as well as budding geologists, will also find this to be an indispensable reference."--BOOK JACKET.

A Field Guide to the Evergreen and Beaver States

A Field Guide to the Centennial State

Rocks, Minerals, and Geology of the Pacific Northwest

Go! Field Guide: Rocks and Minerals

Pocket Guide Geology in the Field

Field Guide to Rocks & Minerals of Southern Africa

Get the perfect guide to rocks and minerals of the Pacific Northwest! The book features comprehensive entries for rocks and minerals found in Washington and Oregon, from common rocks to rare finds. The easy-to-use format means you'll quickly find what you need to know and where to look, while the authors' photographs depict the detail needed for identification - no need to guess from line drawings. With this field guide in hand, identifying and collecting can be fun and informative.

A beginner's field guide to North American geology identifies common rocks, minerals, gems, fossils, and land formations.

Comprehensive field guide on the common, rare, and unusual rocks and minerals of Southern Africa

Shows and identifies more than a hundred of the most common rocks and minerals, explains how rocks and crystals are formed, and looks at rock formations

Characteristics of Geologic Materials and Formations

A Practical Guide

Rocks and Minerals

A Field Guide

Minnesota Rocks & Minerals

Michigan Rocks & Minerals

Get the perfect guide to rocks and minerals of Wisconsin, Illinois and Iowa! The book features comprehensive entries for rocks and minerals found in the region, from common rocks to rare finds. The easy-to-use format means you'll quickly find what you need to know and where to look, while the author's photographs depict the detail needed for identification - no need to guess from line drawings. With this field guide in hand, identifying and collecting can be fun and informative.

Provides information on each geological region of eastern North America, covering such topics as plate movements, glaciers, rivers, seas, and other forces that shaped the area.

A Field Guide to Rocks and MineralsHoughton Mifflin Harcourt

Describes hundreds of minerals and lists their geographic distribution, physical properties, chemical composition, and crystalline structure

New York Rocks & Minerals

Simon & Schuster's Guide to Rocks and Minerals

Track and Identify Your Treasures

Eastern North America

A Key to Identification

This fourth edition builds on the success of previous editions and for the first time is produced in full colour throughout with improved photos and diagrams. It retains its popular pocket size and is an essential buy for all students working in the field. The text shows how sedimentary rocks are tackled in the field and has been written for all those with a geological background. It describes how the features of sedimentary rocks can be recorded in the field particularly through the construction of graphic logs succeeding chapters the various sedimentary rock types, textures and structures are discussed and shown how they can be described and measured in the field. There are expanded sections on trace fossils and volcanoclastics along with updated reference list. Finally a concluding section deals briefly with facies identification and points the ways towards facies interpretations, and the identification of sequences and cycles. Key Features: Full colour throughout with improved photos, figures and diagrams in a modern layout. Complete revision and update of best selling textbook which is part of the highly successful Field Guide series. Expanded sections on trace fossils and volcanoclastics along with updated reference list. Handy pocket size with laminated cover. Includes supplementary website with downloadable logging sheets for fieldwork activities.

Presents an illustrated field guide to geology that explains the evolution of the Earth.

Everything you need to become a real rock hound! The world of rocks and minerals is massive, amazing, and full of cool new things to discover! A true identification guide for young geologists, My Awesome Field Guide to Rocks and Minerals helps you learn the skills you need to collect, identify, and catalogue your own treasures. Not only does this book teach you all about rocks and minerals, but it also gives you step-by-step guidelines for testing and determining what kind of rock or mineral you've found. My Awesome Field Guide to Rocks and Minerals even comes with a special notebook section to help you record data in the field. So get out there, gather cool looking samples, and figure out what they are! My Awesome Field Guide to Rocks and Minerals includes: Treasure all around--Amaze your friends and family and show them how you can pick up almost any rock or mineral and figure out what it is. Rocking fact sheets--Learn about 150 awesome rocks and minerals with handy fact sheets that are conveniently organized to help with identification. Your own field notebook--Record all your rock-hunting sample data on 50 "Field Notebook" pages that include cut-out numbers for numbering and cataloging! "What's this rock or mineral?" Now you'll know with My Awesome Field Guide to Rocks and Minerals!

The first field guide that allows amateur rock enthusiasts to identify basic rocks and rock formations in a systematic way Many of us are fascinated by rocks—but identifying them can seem daunting. It's often tricky even for geologists, who rely on experience, intuition, and in-depth familiarity with rock-forming components. Rocks and Rock Formations allows everyone, amateur or professional, to successfully distinguish these amazing masses of minerals, using only careful observation, a magnifying glass, a pocket knife—and a bit of patience. Jürg Meyer provides a structured approach to the identification of all rocks within the three groups: sedimentary, igneous, and metamorphic. Bringing together more than 530 diagrams and photographs to illustrate essential characteristics, Meyer highlights some basics on rocks—their mineral constituents, structures, textures, fossils, weathering patterns, and more—which are important for a determination. The main part of the book is a handy and thorough identification key, which takes into account all possible rock variations, mixtures, and structural differences. The concluding section of the guide delves into rock systematics. Assuming little prior experience or knowledge, Rocks and Rock Formations is an invaluable resource for rock enthusiasts everywhere. Suitable for beginners and amateurs Helpful, systematic identification key Exploration of all types of rocks More than 530 diagrams and photographs

Eastern Region

A Field Guide to Geology

A Field Guide to the Great Lakes State

A Pictorial Guide to Metamorphic Rocks in the Field

Rocks and minerals

A Field Guide to the Lake Superior Area

Get the field guide by rock expert Bob Lynch and his son Dan. This handy book features photos that depict the detail needed for identification and the information needed to identify the rocks you'll encounter in Minnesota, Wisconsin and Michigan.

Third edition, updated and expanded! This informative and easy-to-read field guide from Northwest Treasures will help you in your quest to identify specimens you find. Written from a Genesis Flood perspective, Rock Identification Field Guide includes: the rock-forming minerals, plutonic, igneous volcanic, metamorphic, and sedimentary rocks, geodes, nodules and thunder eggs, collecting and building a collection, and flow charts for learning how to identify your samples. Over 500 color photos. Small enough to fit in your back pack. 146 pages.

Get the perfect guide to rocks and minerals of the Grand Canyon State! From agates to rare treasures, you'll have facts and details at your fingertips to learn about and identify your finds. Quickly uncover what you need to know and where to look.

Properly understanding and characterizing geologic materials and formations is vital for making critical engineering decisions. Identifying and classifying rock masses and soil formations allows reasonable estimation of their characteristic properties. Comprising chapters from the second edition of the revered Geotechnical Engineering Investigation

Lake Superior Rocks & Minerals Field Guide

National Audubon Society First Field Guide

A Field Guide to the Empire State

My Awesome Field Guide to Rocks & Minerals

Rocks & Minerals

Field Guide to the Rocks and Geology of Port Townsend

The launch of this new series guides readers towards samples they may find in North America and helps them identify what to look for in rocks and gems like color, luster, hardness, and light. Includes information on how they can maintain and show off their awesome new rock collection. Full color. 5 x 7.

Photographs, diagrams, physical descriptions, and details about habitat, season, and other characteristics facilitate the identification of eastern North America's wildflowers.

Rocks, Minerals, and Geology of the Pacific Northwest highlights100 rocks, minerals, and fossil types found in Oregon and Washington. Each entry has color photography that shows a range of possibilities in appearance and a description of the defining physical properties and textures. Lists of minerals organized by other physical properties like habit, hardness, and cleavage are included. Rocks, Minerals, and Geology of the Pacific Northwest also includes 40 landscape features viewable along trails in Washington and Oregon that will empower hikers to make observations and interpretations about how these features came to be. The essential reference for rockhounds, hikers, climbers, and geology enthusiasts More than 400 photographs, illustrations, tables, and maps showcase and explain everything from minuscule crystals to planetary tectonics Interprets the histories of dominant landscape features along regional hiking trails Profiles more than 100 minerals and rocks in detailed entries with photos, descriptions, identification graphics, and mini indexes Covers the geologic composition and 13 physiographic regions of Washington and Oregon

Your Must-Have Guide to Michigan's Rocks and Minerals Get the perfect guide to rocks and minerals of the Great Lake State! This book by Dan R. Lynch and Bob Lynch features comprehensive entries for 96 Michigan rocks and minerals, from common rocks to rare finds. Learn from the fascinating information about everything from Petoskey stone and copper to gold and agates. The easy-to-use format means you'll quickly find what you need to know and where to look. The authors' incredible, sharp, full-color photographs depict the detail needed for identification—no need to guess from line drawings. With this field guide in hand, identifying and collecting is fun and informative.

A Field Guide to the Grand Canyon State

North America

Peterson First Guide to Rocks and Minerals

National Audubon Society Field Guide to North American Wildflowers

Colorado Rocks and Minerals

Trees

Formerly titles "Rocks and Minerals" this handbook includes information on collecting and identifying minerals, sections on metallic, nonmetallic, gem and rock-forming minerals, and descriptions of igneous, sedimentary and metamorphic rocks.

Get this incomparable field guide to 90 of Minnesota's rocks and minerals. Full-color photos and the details you need for identifying and collecting make this a perfect book to bring with you on your explorations. Give it as a gift, and keep one too!

This must-have guide for Michigan, Minnesota, Wisconsin, and Ontario features full-color photographs and information to help readers identify rocks and minerals. Get the perfect guide to rocks and minerals of the Lake Superior region! With the new edition of this famous guide by Bob Lynch and Dan R. Lynch, field identification is simple and informative. This book features comprehensive entries for 75 rocks and minerals, from common rocks to rare finds. That means you're more likely to identify what you've found. The authors know rocks and took their own full-color photographs to depict the detail needed for identification--no more guessing from line drawings. The entries are organized by area, so you can find rocks unique to each state or common to all three. The field guide's easy-to-use format helps you to quickly find what you need to know and where to look. Inside you'll find: 75 specimens of the Lake Superior region Quick Identification Guide: Identify rocks and minerals by color and common characteristics Range/occurrence maps to show where each specimen is commonly found Professional photos: Crisp, stunning images This second edition includes updated photographs, expanded information, and even more of the authors' expert insights. With this book in hand, identifying and collecting is fun and informative.

This book is a field guide that describes and explains the commonest minerals and rocks as well as introducing the most important fossil groups. In addition, a variety of geological structures are described and illustrated in the numerous diagrams and photographs. The guide is your perfect companion for hikes or walks in the countryside, inviting you to discover the geology hidden behind the landscapes surrounding us, as well as helping you to recognise the various minerals, rocks and fossils, you might encounter. The book is aimed at nature lovers of all types, as well as students of geology. It will provide the perfect companion on your excursions allowing the rocks to "come alive" and to reveal their histories, as well as the range and complexity of geological processes which have formed the Earth beneath our feet. Such processes - an interplay of magmatism, tectonics, metamorphism and sedimentation, as well as climate and sea-level change - have shaped the Earth over millennia

and continue to do so even at the present time. This book is a translation of the original German 1st edition Pocket Guide Geologie im Gelände by Tom McCann, published by Springer-Verlag GmbH Germany, part of Springer Nature in 2019. The initial translation was done with the help of artificial intelligence (machine translation by the service DeepL.com). A subsequent detailed revision by the author ensures that the book reads stylistically like a conventional translation. Springer Nature works continuously to further the development of tools for the production of books and on the related technologies to support the authors. Tom McCann is Professor of Sedimentology at the Institute for Geosciences and Meteorology at the University of Bonn. He conducts research on the development of sedimentary basins in Europe, Africa and Asia and teaches sedimentology, basin analysis, ichnology as well as historical geology.

National Audubon Society Field Guide to Rocks and Minerals

Rock Identification Field Guide

A Field Guide for Geotechnical Engineers

A Color Guide

Rocks and Minerals of the United States Quick Guide

Rocks & Minerals of WI, IL, IA

This fun, photo-filled, and fact-packed guide to trees will make kids stop and look up at the trees towering over them right in their own backyards. From maple to birch, pine to cherry, kids will learn how and where to spot these trees all over the United States. With tons of info and interactivity prompts, it's the perfect companion for backyard or field trips, camping or vacation. Durable and portable, it's just right for your pocket or backpack!

Keep this tabbed booklet close at hand on your next rock-hunting adventure. Based on Dan and Bob Lynch's best-selling field guides and featuring 60 of the most common rocks and minerals in the country, the booklet is organized by rocks/minerals and then by general appearance for quick and easy identification. Narrow your choices by appearance, and view just a few specimens at a time. The pocket-sized format is much easier to use than laminated foldouts, and the waterproof and tear-resistant pages help to make the book durable in the field.

This field guide is your introduction to the beautiful rocks, minerals and geology surrounding Port Townsend, Washington. A Victorian seaport near the majestic Olympic National Park, Port Townsend is a wonderful gateway to the natural history of the Pacific Northwest. This four-page, full-color guide features 31 photographs of agates, quartz, jasper, calcite and many more geologic treasures. www.cloudburst-publishing.com

Lake Superior Rocks & Minerals

A Field Guide to the Identification of Pebbles

A Field Guide to Rocks and Minerals

Rocks and Minerals of Washington and Oregon