# **Rock And Gem**

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dig deep to discover our rocky planet packed with natural wonders earth s extraordinary minerals gems shells and fossils are all on dazzling display in this essential visual encyclopedia for children feast your eyes on the ultimate treasure trove that any pirate would envy more than 1 000 stunning photographs showcase rocks and gems in glorious detail ensuring you can recognise sedimentary from sandstone metamorphic from marble and pyrite from pearl the unique qualities of each eye catching material are described in depth together with their broad range of uses in art industry architecture and science keep

your eyes open for rainbow rocks fluorescent minerals priceless diamonds and meteor showers on your geological journey of discovery meet dinosaurs in the prehistoric period to understand how fossils form join the pyramid builders of ancient egypt to investigate the limestone bricks and take a dip in the ocean on the hunt for clams cowries and cockles treasure seekers get set to start your own collection with the rock and gem book

your compact guide to more than 450 rocks crystals gemstones and fossils explore the treasures of the earth sparkling crystals vibrant gemstones and age old fossils with this illustrated guide that s sure to captivate every rockhound and budding gemmologist from primeval origins to their astonishing modern day uses and appeal this is the ultimate portrait of earth s geological riches also included is a focused look at other precious materials often prized for their beauty such as amber coral ivory and fossils learn how to identify more than 450 rock and gem specimens through stunning photographs and detailed characteristics discover more about rocks and gems through folklore and historical artifacts and find out the fascinating stories behind some of the amazing natural treasures including the hope diamond and the great mogul emerald it also contains information on polishing and displaying your finds to further equip you with all the knowledge needed to delve into the arena of rock and mineral collecting rocks gems was produced in association with the smithsonian in washington d c the world s largest museum complex ensuring the guide s accuracy

from the primeval origins of rocks and gems to their astonishing modern day uses and appeal this is the ultimate portrait of the earth's natural treasures

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packed with more than 1 200 incredible images you can discover the world's most precious and fascinating objects from rocks and gems to fossils and shells earth s extraordinary minerals gems shells and fossils are all on dazzling display in this essential visual encyclopedia for children the rock and gem book is an indispensable guide to the natural world s most remarkable treasures the book shows each rock mineral fossil and shell in its natural form as well as a wide range of everyday and unexpected objects in which they can be found feast your eyes on the ultimate treasure trove that any pirate would envy this genius geology book for kids has over 1200 stunning photographs that showcase rocks and gems in glorious detail ensuring you can recognize sedimentary from sandstone metamorphic from marble and pyrite from pearl the unique qualities of each eye catching material are described in depth together with their broad range of uses in art industry architecture and science treasure seekers get set to start your own collection with this engaging encyclopedia for children aged 9 12 celebrate your child s curiosity as they explore striking and detailed diagrams drawings and illustrations on every page a highly visual approach to learning an ideal combination of colorful diagrams with infographic text boxes cgi reconstructions show whole animals to help understand fossil fragments in association with the smithsonian institution keep your eyes open for rainbow rocks fluorescent minerals priceless diamonds and meteor showers on your geological journey of discovery meet dinosaurs in the prehistoric period to understand how fossils form join the pyramid builders of ancient egypt to investigate the limestone bricks and take a dip in the ocean on the hunt for clams cowries and cockles this captivating kids encyclopedia also includes at a glance panels that provide a quick reference to all the stats with easy to read accessible text for readers aged 9 12 yet can be enjoyed by the entire family making this enthralling children's encyclopedia a beautiful and educational gift that can be passed down generations learn all about the world one picture at a time if you like rock and gem book then why not complete the collection part of the highly visual our world in pictures series avid readers can dive into the world of dinosaurs with the dinosaur book become a vehicle virtuoso with cars trains ships and planes and venture on a journey across the globe with countries cultures people places

striking visual profiles present the entire range of rocks and minerals with key information for accurate identification and practical advice on how to cut polish and display objects as well as an intriguing look at the many ways they have been used from basic building blocks to fine decoration

from glittering gemstones to fascinating minerals and fossils this incredible reference book is a stunning celebration of the earth s buried treasures innovative specially commissioned photography captures the essence and beauty of over 450

superb specimens while lively and informative text describes the characteristics of each and its unique and changing relationship to humankind through the ages organized by rock classes and chemical groups each rock mineral and fossil entry contains a photograph of the specimen together with lively wide ranging text describing its qualities and history of use in addition a detailed at a glance reference panel provides key data for identification and classification

unlike the dense and highly technical academic tomes that are text heavy poorly organized and intimidating this colorful and easy to use reference guide dedicated to collecting rocks gems and minerals is ideal for readers who want to expand their understanding without getting lost in a labyrinth of science beautifully illustrated with 700 color photographs providing wonderful detail and smartly organized to take the hassle out identification you will enjoy the simplicity of the guide and the enthusiasm and knowledge of author patti polk one of the top agate collectors in the world and a self proclaimed rockhound you will also enjoy two areas that our competitors don t bother with first it includes values and second it covers an introduction to lapidary which is the cutting and polishing of rocks and gemstones for jewelry or display

explore the treasures of the earth sparkling crystals vibrant gemstones and age old fossils with this illustrated guide that s sure to captivate every rockhound and budding gemologist from primeval origins to their astonishing modern day uses and appeal this is the ultimate portrait of earth s geological riches rocks minerals crystals and gems also included is a focussed look at other precious materials often prized for their beauty such as amber coral ivory and fossils learn how to identify more than 450 rock and mineral specimens through stunning photographs and detailed characteristics discover more about rocks and minerals through folklore and historical artifacts and find out the fascinating stories behind the world s natural treasures including the hope diamond and the great mogul emerald practical advice on cutting polishing and displaying your finds further equips you with all the knowledge needed to delve into the world of rock and mineral collecting rock and gem were produced in association with the smithsonian institution in washington dc the world's largest museum complex ensuring the guide's accuracy

three guides in one identification values lapidary uses designed with beginners in mind yet filled with valuable technical information for advanced collectors collecting rocks gems and minerals takes you from being just someone who appreciates rocks to a true collector easy to use quick reference format arranged by category and color of stone covers both lapidary and mineral display materials provides values and tips for locating buying and collecting includes organics such as amber bone

coral pearl and shell lists chemical group system hardness opacity fracture specific gravity and more contains more than 650 full color photos foreword by johann zenz world renowned agate expert author and lecturer

describes sites that are open to collecting rocks minerals and gems providing information on gps coordinates restrictions owners and fees

what is a rock and what s the difference between a rock a mineral and a gem kids are sure to discover the answer in this addition to our smithsonian first discovery books every page of the board book is filled with interesting facts from the different layers of rocks which make up the earth to the identification of precious and semi precious gems do you know why the hope diamond s color is named french blue learn the answer to that question and more in this fascinating book smithsonian kids books feature engaging and educational content for little learners that reflect the integrity of the smithsonian a portion of the proceeds from the sale of this book goes to support the smithsonian s educational mission packed with facts about rock formation different kinds of rocks minerals and gems and ways to use them all photographs from smithsonian kids are sure to educate and entertain embossed pictures promote tactile learning this rocks and minerals book is a perfect gift for any child interested in rocks minerals and geology officially licensed smithsonian kids product collect the entire smithsonian kids first discovery book series

welcome gem collectors students and rockhounds ages 5 to 109 this book delights with 120 fun fact filled poems for you to ponder and keep in mind it includes a variety of rocks gems and minerals with poetry from a to z along with photos celebrating each stone for you to enjoy on this rock hunting spree the earth sciences integrate these fun facts with historic treasures using the steam approach science technology engineering arts and math to enrich the learning experience while it s geared towards middle and high school students all ages can thoroughly enjoy over 700 photographic gem and mineral displays the creative writing in this book cherishes the likes of shakespeare dr seuss and langston hughes into college and beyond shared amongst the rockhounds and gem collectors of the world this book is a treasure worth reading

get the stone cold facts on rocks packed with 29 unique rocks gems and minerals this is the perfect kit to start or expand a rock collection build a color changing light up display with an agate slice use it as a lamp or study the stones up close with the included magnifying glass learn fun facts about each rock in the fully colored 32 page book including 6 experiments and activities with easy to find ingredients from home need to know 32 page book with details on every rock included plus 6

additional activities promotes earth science and the study of minerals 29 unique rocks gems and minerals from rainbow flecked crystal opal to metallic gold radial pyrite use the color changing display light to make a shining crystal agate slice lamp 3aa batteries not included comes with blue agate slice 28 new rocks materials to build a display light magnify glass

simon basher is back with another zany primer to science following his 3 successful titles on the basics of chemistry physics and biology rocks and minerals is an in depth look at the ground beneath our feet like his other titles basher presents these topics through charming and adorable illustrations and pairs them with basic information told from a first person perspective he develops a community of characters based on the things that form the foundations of our planet rocks gems crystals fossils and more and what s more he makes it understandable interesting and cute it s not what you expect out of a science primer

contains descriptions and photographs of approximately six hundred minerals rocks and meteorites providing information about the history origin structure composition properties classification and location of each specimen

follow in the footsteps of successful gem and gold hunters and search the hills for rough diamonds colored gemstones lapidary minerals precious metals and interesting minerals and rocks written for the geoscientist prospector and rockhound the first part of the book focuses on physical characteristics of gems and minerals this is supplemented with the second part of the book that describes dozens upon dozens of colored gem diamond gold mineral and rock localities using the public land survey system and gps coordinates so the reader can visit these sites on a home computer with aerial and satellite imagery to gain an understanding of what to look for in the field with these same coordinates the reader can visit some occurrences deposits and areas suggested for prospecting to further their gem hunter prospecting education and potentially lead to new discoveries now you can learn what to look for when searching for mother nature s treasure

junior gemologists will dig learning about rocks and minerals with this beginner s collection the kit includes 8 polished rock samples such as turquoise amethyst rose quartz lemon jade and more plus a surprise rock that they will unearth in the dig kit the field guide introduces easy to follow stem content including fun facts and jokes then go exploring to find rocks from home that you can decorate with the included paint and googly eyes comes with 8 polished rocks and gems magnifying glass gem dig kit wooden chisel wooden hammer paintbrush paint in 4 colors 6 googly eyes

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