

## Gemstones Understanding Identifying Buying

*Provides information on all known gemstone species and varieties, discussing physical properties, occurrence, chemistry, availability, rarity, and market potential, and includes complete data on synthetic gems. A comprehensive manual of the world's gemstones and includes more than 1,400 examples. Opposite each illustration, this text provides a description of the particular stone, including details of the properties and chemical composition which makes the stone unique. It also gives information on location of major deposits, and alternative names.*

*Contents: Setting Up a Basic Lab; Proper Lighting; How to Use Each Instrument & What It Will Show; Major Errors and How to Correct Them, and more. Appendixes: Charts & Tables of Gemstone Properties, Schools, Laboratories, Associations and Publications, Readings. Glossary. Index.*

*To help you avoid the pitfalls and keep the magic, two internationally respected experts on buying gems and jewelry put their inside knowledge to work for you in this easy-to-read, easy-to-use guide. It is filled with practical advice and is designed to make it easy for you to have all the information you need to buy gems and jewelry with ...*

*Identifying and Using the World's Most Fabulous Gems*

*Tables of Gemstone Identification*

*Gemmology*

*Jewelry & Gems at Auction*

*Jewelry and Gems--The Buying Guide 7/e*

Gemmology is a text for students preparing for the Gemmological Association's Preliminary and Diploma examinations. The book is more expansive and up-to-date than the author's earlier book, *Beginner's Guide to Gemmology*. The book deals with the practical and theoretical sides of gemmology. Tracing the background and science of gemmology, the book covers the gem material, geological formation, and occurrence of gemstones on the earth. The composition of gemstones from the atoms, elements, molecules, and compounds comprising them is analyzed, and the relationship between chemical composition and durability of the stone is explained. The basics of crystallography is mentioned as a tool toward understanding gemmology after which cleavage, parting, and fracture are done. A gemstone's durability and hardness and how the latter influences engineering tests and the mining techniques are compared. An important test technique to identify unmounted stones is the measure of specific gravity using displacement measurement methods and hydrostatic methods. After more descriptive details are given in identification of gemstones, whether these are synthetic or simulants, through a comprehensive explanation of the materials found in these other gemstones, the fashioning, through shaping or polishing, of gemstones is explained. Emphasis is given on the critical angle in which light rays pass in different rock densities, and then the cutting styles, gemstone polishing, and grading are discussed. Students studying for the Gemmological Association's Preliminary and Diploma examinations, jewelers, lapidarists, and diamond cutters, as well as those engaged in the hobby of gemmology, will find this book helpful and full of information toward their endeavors and hobbies.

Purchasing coloured gemstones can be a magical experience, filled with excitement and anticipation. But lack of information, error, or misrepresentation can make buying gemstones confusing, intimidating, overwhelming, and costly. With more varieties than ever before to choose from, including altogether new gems, revolutionary new cuts, and new ways to buy gems -- such as internet auctions and TV shopping -- there has never been a more exciting time to buy or collect coloured gemstones. But there are also new high-tech treatments and sophisticated frauds to look out for. Lack of information, error, or misrepresentation can make the thrill of buying a gem or piece of jewellery confusing, intimidating, overwhelming, and costly. Buyers need a source of expert guidance. To help you avoid the pitfalls and keep the magic, Antoinette Matlins, an internationally respected expert on buying gems, puts her insider knowledge to work for you in this easy-to-read, easy-to-use guide. Practical, comprehensive, and easy to understand, the guide offers in depth all the information you need in order to know what to look for and what to look out for, including: what qualifies as a 'gemstone'?; how to evaluate colour -- and its impact on price; deciding between a natural gem and an enhanced gem; coloured gemstone synthesis and treatment; what to ask when buying the stone; what to get in writing; how to get what you want within your budget; price guides for popular gems, opals, and synthetic stones; And much, much more!

Rocks, minerals & fossils.

This guide helps buyers to evaluate these spectacular gems and it updates professionals on new treatments and sources of corundum and emerald. Using close-up photographs, the book shows how to make visual judgements about clarity, transparency, cut quality and brilliance. In addition, it helps you to understand lab reports and find appraisers and labs. You will also get tips on detecting imitations and synthetic stones. Let this guide provide the in-depth information you will need to be a smart buyer. Topics in this guide include: Quality evaluation; Gem treatments; Fakes and synthetics; Lab reports; Geographic sources; Appraisals; Gem cleaning & care; Savvy buying.

The Antoinette Matlins Buying Guide : how to Select, Buy, Care for & Enjoy Diamonds with Confidence and Knowledge

The Crystal Bible

Know it All, Find it Fast

Gemstone Buying Guide

## The Diamond Ring Buying Guide

### Collecting Rocks, Gems and Minerals

*This revised edition covers the latest gems, synthetics, treatments and instruments. It is easy to use, practical and non-technical indicating how to identify diamonds, coloured gemstones and pearls, as well as separating them from fakes and look-alikes. The book explains what instruments are needed and how to use them, where to obtain such instruments and what should be seen for each gemstone. Anyone can learn to identify most of the gems and imitations found in the market place. This volume is the key to avoiding costly mistakes and recognising profitable opportunities.*

*Whether buying for personal pleasure or for investment, in today's market of Internet auctions, new diamond cuts, new colours, new treatments and new frauds buyers need a source of expert guidance. This comprehensive guide, from diamond expert and best-selling author Antoinette Matlins, is the unofficial bible for all diamond buyers who want to get the most for their money.*

*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.*

*Whether buying gem-set jewellery or loose stones, you will be faced with a colourful array of beauty*

*The Antoinette Matlins Buying Guide: How to Select, Buy, Care for & Enjoy Sapphires, Emeralds, Rubies and Other Colored Gems with Confidence and Knowl*

*Gems of the World*

*Color Encyclopedia of Gemstones*

*Rockhounding for Beginners*

*How to Evaluate, Identify, Select and Care for Colored Gems*

*Jewelry & Gems*

**Everything you need to know before you buy--or sell--gems and jewelry at auction. A source of expert guidance to help you enter today's fastest-growing marketplace for gems and jewelry. This definitive guide to buying and selling at auction covers both the unique risks and opportunities to be found--how to make a profit on yesterday's treasures or find a valuable treasure of your own. Entertaining, informative and packed with tips from an "insider," this practical, easy-to-understand guide makes available--for the first time--detailed information on: What distinguishes auction buying and selling from other methods How to buy and sell at auction: The rules of the game What you need to know before bidding on: - Diamonds - Colored gemstones - Pearls - Gold and platinum Design and style: Great jewelry periods and great jewelers Special concerns when buying and selling on Internet auction sites How to avoid the pitfalls when buying and selling at auction What auctions do guarantee, and how to protect yourself against what they don't ... and much more. With comprehensive price charts and auction results, as well as resource information on auction houses and websites, Jewelry & Gems at Auction is a book no potential auction buyer or seller can afford to be without.**

**"Gems and Gemstones" features nearly 300 color images of cut gems, precious and semiprecious stones, gem-quality mineral specimens, and fine jewelry to be unveiled in the new Grainger Hall of Gems at the Field Museum in Chicago.**

**"A complete reference for goldsmiths, collectors, and jewellery makers, this book is a comprehensive guide to identifying, buying, using and caring for a dazzling array of jewels and gems." "Discover the origins of gemstones and understand the process of selecting the raw material. Includes practical advice on how to assess the quality, rarity, grade, durability, and cut of precious and semi-precious stones." "Learn how gems are calibrated, using the industry standard measurements of carats and points, and how they can be treated to improve both colour and clarity. A glossary section clearly explains all of the key terminology used." "Illustrations and colour photographs help you to identify the gemstones available to jewellery makers, from amethysts and diamonds to tourmaline and quartz, and demonstrate how they can be used in different designs and settings."--Jacket.**

**From the dawn of time, ruby and sapphire have both attracted and fascinated humans in ways that few other items could. While objects of desire are found throughout the natural world, physical beauty is too often ephemeral. From the allure of a man, woman, flower or butterfly, through the fleeting moments of a sunset, there is little that lasts and practically nothing that can be passed down to our descendants. The exception is precious stones. Not only are they the most durable creations of mother nature, but their visual splendor is truly eternal. In this companion to his 2013 book, Ruby & Sapphire--A Collector's Guide, Richard Hughes examines these gems from the gemological standpoint, delving into these gems not just from the aesthetic, but also from the scientific point of view. The product of nearly 40 years of firsthand experience, it covers every aspect of the subject from A-Z. History, sources, prices, quality analysis, synthetics and treatments, everything is here. Ruby & Sapphire--A Gemologist's Guide represents the most comprehensive book ever written on a single precious stone. With over 1000 photos, maps and illustrations and 3500 references, it is nothing less than a tour-de-force of gemological scholarship.**

**The Antoinette Matlins Buying Guide : how to Select, Buy, Care for & Enjoy Sapphires, Emeralds, Rubies, and Other Colored Gems with Confidence and Knowledge**  
**Handbook of Gem Identification**  
**Photoatlas of Inclusions in Gemstones**  
**Jeweller's Directory of Gemstones**  
**The Definitive Visual Guide**  
**Identification, Values, Lapidary Uses**

Go on an outdoor treasure hunt and enjoy all nature has to offer with this field guide to rockhounding, perfect for armchair geologists or anyone headed out on an adventure! Geology meets treasure hunting with this field guide to rockhounding! If you 've ever kept an interesting rock or shell, bought a polished stone from a gift shop, or even just enjoyed a 'gram of a really cool crystal, congratulations! You 've already experienced a rockhounding adventure! Rockhounding for Beginners shows you how to take your rockhounding to the next level, providing everything you need to know from tips for finding local sources for really cool finds to techniques for safely cleaning, cutting, polishing, and caring for the best samples. Complete with full-color photos to help you identify each rock and mineral wherever you find them, this guide has all the rockhounding information you need whether you 're ready to get down and dirty or simply want to learn more from the comfort of your couch.

Prepare to be dazzled by this shining and sumptuous visual guide to the world's greatest treasures. Feast your eyes on glittering gemstones, kaleidoscopic minerals, and famous trinkets in this comprehensive exploration of Earth's finest jewels. Following a foreword from Aja Raden, hundreds of pages take a lavish look at precious stones, precious metals, and organic gems in all their natural wonder. From agate to zoisite, everything under the Sun is encapsulated in spectacular photography and accessible text. Trace the history of gemmology and get the inside story on our planet's most famous and fabulous gems, including the mysterious Hope Diamond, the stunning Koh-i-Noor of the Crown Jewels, and exquisite Fabergé eggs. Find out their physical properties, check the price tags, and discover the most remarkable record-breakers. This exceptionally extravagant book is a picture-packed, fact-filled celebration guaranteed to bring sparkle to your life and your library.

Learn to identify gemstones in and for jewelry with this must-have guide! Packed with fascinating gemological details and up-to-date information on more than 70 of the most exquisite gemstones, Gemstones is the reference guide you need to identify a variety of gems. Join leading expert Judith Crowe as she shares: • Accurate information on how to identify gemstones and how the gem trade operates so you can buy with confidence. • Detailed information on the treatments, imitations, pricing, cuts, sources, and gem appraisals. • Covers the common pitfalls in identifying stones and clarifies areas of confusion and misidentification. • Practical gemological information on colored gemstones, diamonds, and organic gems. Plus historical context for those buying and selling antique and vintage gem-set jewelry. Jewelers and designer goldsmiths, lapidaries and gem cutters, stone setters, gemologists, geologists, or anyone interested in gemstones and gem-set jewelry, Gemstones has the information you're looking for.

This 3rd Edition provides concise yet comprehensive information on colored gem quality evaluation, price comparison, gem identification, cutting styles, treatments, fake stones, optical effects, gem care and geographic sources. Many of the gems are shown mounted in striking designer jewelry. There are 323 new colour photos and several new gem species and varieties in this new Third Edition. Also included are interesting historical facts mixed with scientific data and a bit of folklore. Written for consumers and professionals, the Gemstone Buying Guide is a practical, well-illustrated resource for buying, identifying and caring for colored gems. If you want to become a savvy buyer and learn how to select coloured gemstones, then you'll find the Gemstone Buying Guide a fascinating and valuable resource.

How to Identify, Evaluate & Select These Gems

Ruby, Sapphire & Emerald Buying Guide

Understanding, Identifying, Buying

How to Identify, Evaluate, and Care for Unusual Gems

Gemstones

Gemstones of the World

*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 -Lavishly illustrated, *Gems of the World* is intended for anyone who has ever been fascinated by crystals, jewelry, and gems, from general readers to seasoned professionals. It is a fine addition to general collections.- --Booklist, on the previous edition *Gems of the World* is a practical and comprehensive guide to the identification and properties of precious and semiprecious gems, novelty stones, agates and crystals. This edition has been revised and thoroughly updated. Changes and new features include updated maps of recently established diamond bourses and geographical country changes, plus new gem varieties and localities where they are found, new techniques for producing synthetic gemstones and simulants, and much more. There is comprehensive information on gems: gem formation mining the diamond industry conflict diamonds ethical sourcing crystal structure (diagrams and cuts) optical and physical properties fashioning and cutting (properties and uses) gemstone cuts for diamonds buying a diamond buying colored gemstones imitation and synthetic gemstones gemstone enhancement history of gems famous diamonds caring for gemstones and jewelry a color key of 139 gemstones. The text describes the world's diamond cutting and trading centers, the -diamond pipeline- that flows from mine to retail, and information on the gemstone industry, ethical mining, conflict diamonds and the emergence of new diamond centers.

*The description directory of gemstones is organized by their chemical composition. The 139 profiles describe each gem's geology, chemistry, properties (such as color, refractive index, and luster), cultural use in history and its value in jewelry. Photographs show the gem as a raw crystal, in common cuts, polished for use, and in some cases, also in a piece of jewelry. Gems of the World is an ideal reference for gemologists, collectors and general readers.*

*There is a queue, the phone is ringing, the photocopier has jammed and your enquirer is waiting for a response. You are stressed and you can feel the panic rising. Where do you go to find the information you need to answer the question promptly and accurately? Answering queries from users is one of the most important services undertaken by library and information staff. Yet it is also one of the most difficult, least understood subjects. There are still very few materials available to help frontline staff - often paraprofessional - develop their reader enquiry skills. This award-winning sourcebook is an essential guide to where to look to find the answers quickly. It is designed as a first point of reference for library and information practitioners, to be depended upon if they are unfamiliar with the subject of an enquiry - or wish to find out more. It is arranged in an easily searchable, fully cross-referenced A-Z list of around 150 of the subject areas most frequently handled at enquiry desks. Each subject entry lists the most important information sources and where to locate them, including printed and electronic sources, relevant websites and useful contacts for referral purposes. The authors use their extensive experience in reference work to offer useful tips, warn of potential pitfalls, and spotlight typical queries and how to tackle them. This new edition has been brought right up-to-date with all sources checked for currency and many new ones added. The searchability is enhanced by a comprehensive index to make those essential sources even easier to find - saving you valuable minutes! Readership: Offering quick and easy pointers to a multitude of information sources, this is an invaluable reference deskbook for all library and information staff in need of a speedy answer, in reference libraries, subject departments and other information units.*

*This fascinating work provides a truly stunning visual guide to the beautiful world of gemstones. It brings together a wealth of information in clearly worded text accompanied by a dazzling collection of color photographs showing gems in their natural and cut states. From subjects as diverse as identifying and collecting minerals and advanced testing, to ethical sourcing of gems, every aspect of gemstones is covered, and is presented with a wealth of research in easy-to-understand sections, making it a must-have reference work for anyone who wants to delve into the exciting world of gems.*

*How to Buy Diamonds, Pearls, Colored Gemstones, Gold and Jewelry with Confidence and Knowledge*

*Diamonds*

*How to Buy Diamonds, Pearls, Colored Gemstones, Gold & Jewelry with Confidence and Knowledge*

*Gems and Gemstones*

*Ruby and Sapphire*

*A Jewelry Maker's Guide to Identifying and Using Beautiful Rocks*

**Explains in non-technical terms how to use the refractometer to identify diamonds and colored gems, and how to separate natural gems from imitations, treated gemstones, synthetics, and look-alikes. The approach is direct and practical, and its style is easy to understand. With this highly accessible guide booklet, anyone can begin to master gem identification using the refractometer.**

**This book gives you all the information you need to buy, collect, sell or simply enjoy sapphires, emeralds, rubies and other coloured gemstones with confidence and knowledge. With more varieties than ever before to choose from, including altogether new gems, revolutionary new cuts and new ways to buy gems -- such as Internet auctions and TV shopping -- there has never been a more exciting time to buy or collect coloured gemstones. But there are also new high-tech treatments and sophisticated frauds to look out for. Lack of information, error or misrepresentation can make the thrill of buying a gem or piece of jewellery confusing, intimidating, overwhelming and costly. Buyers need a source of expert guidance. This practical, comprehensive, easy-to-understand guide provides all the information you need in order to know what to look for, and what to look out for, including: What qualifies as a "gemstone"?; How to evaluate colour -- and its impact on price; Deciding between a natural gem and an enhanced gem . . . and new glass-gemstone compositions; Coloured gemstone synthesis and treatment; What to get in writing; How to get what you want within your budget; Price guides for popular gems, opals and synthetic stones; Important information about buying on the Internet; What to ask when buying the stone . . . and much more! Written by an "insider", this easy-to-read guide is the "unofficial coloured gemstone bible" for anyone who wants to get the most for their money and enjoy what they have purchased.**

**This comprehensive guide, from gemstone expert and best-selling author Antoinette Matlins, is all you need to help you buy, collect, sell, care for or simply enjoy colored gemstones with confidence and knowledge. Easy to understand and practical, this updated and expanded edition explains what to look for and what to look out for!"**

**GemstonesUnderstanding, Identifying, BuyingAntique Collectors Club Dist**

**How to Spot Value & Avoid Ripoffs**

**A Guide to Finding Gemstones, Gold, Minerals & Rocks**

**Refractometers Made Easy: The "Right-Way" Guide to Using Gem Identification Tools**

**A Book of Precious Stones**

**Gem**

**Colored Gemstones**

***Rare Gemstones provides concise information on uncommon gems used by designers to create distinctive jewelry. Besides listing the identification properties of the gems, it tells you where they're found, how they're used, why they're unique, how they're priced and how to***

*care for them. High quality photos (482) show the different colors, cutting styles and varieties of each gem and give ideas on how each can be used creatively in jewelry. The following gems are discussed and illustrated: amblygonite, andalusite, apatite, aragonite, axinite, azurite, benitoite, bixbite, brazilianite, bronzite, calcite, cobaltocalcite, charoite, chrysocolla, cuprite, danburite, diaspore, diopside, dumortierite, enstatite, epidote, fluorite, gaspéite, haüyne, hematite, hemimorphite, howlite, idocrase, jeremejevite, kornepurine, kyanite, larimar, lepidolite, magnesite, marcasite, maw-sit-sit, moldavite, obsidian, pectolite, phenakite, phosphosiderite, prehnite, psilomelane, pyrite, red beryl, rhodochrosite, rhodonite, scapolite, scheelite, seraphinite, serpentine, sodalite, sillimanite, smithsonite, sphalerite, sphene, sugilite, taaffeite, titanite, tugtupite, unakite, variscite, vesuvianite, zultanite. Rare Gemstones is a companion book to Newman's Gemstone Buying Guide and an ideal reference for jewelers, sales associates, appraisers, gem collectors, gemology students, gem dealers and consumers.*

*Discover the treatments, imitations, pricing, cuts, sources, and appraisal of gems. Jewellers and designer goldsmiths, lapidaries and gem cutters, stone setters, gemologists, geologists, collectors and people who buy and sell jewellery at antique fairs and on the internet, this book is for anyone who has ever had a gemstone and wanted identification and information. Featuring a mix of gemstones and gem-set jewellery, it puts gems in context and contains historical context for those buying and selling antique and vintage gem-set jewellery, including details of the stones typically found in Georgian, Victorian, Art Nouveau, and Art Deco settings. Packed with fascinating gemological details and up-to-minute data on more than 70 of the most exquisite gemstones, and written by leading expert, Judith Crowe, learn the common pitfalls in identifying stones and clarify areas of confusion and misidentification.*

*A guide to gems and precious stones covers such topics as gem formation, structural properties, fashioning and cutting, and gem classification.*

*A concise, systematic, yet comprehensive "textbook" treatment of the science. Examines origin, chemistry, crystallography, physical properties, and optical properties of gemstones, and discusses methods and instruments used to determine these properties. Highlights recent advances and important contributions; explores new methods of study and determination, crystal structures, causes of color, new gem minerals, new methods of gem synthesis, manufactured gems, chemical compounds used as substitutes, and imitations and simulations. Includes 12 full color plates, 350 halftones and line drawings, and a Gem Index that lists commonly sought characteristics along with page number references.*

*Firefly Guide to Gems*

*A Complete Color Reference for Precious and Semiprecious Stones of the World*

*Gem Identification Made Easy*

*Your Comprehensive Guide to Finding and Collecting Precious Minerals, Gems, Geodes, & More*

*A Complete Guide to Appraising and Using Precious Stones, from Cut and Colour to Shape and Setting*

*The Buying Guide; How to Buy Diamonds, Pearls, Colored Gemstones, Gold & Jewelry With Confidence and Knowledge*

*Partial Contents: Getting to Know Gems; Diamonds; Colored Gemstones; Important Advice Before You Buy, and more. Appendixes: Selected List of Gem Identification Labs, National plus State Jewelry Associations. Index. 9 full-color plates. 100+ black and white illustrations.*

*A comprehensive and beautifully illustrated guide to crystals. Find a known crystal instantly or identify an unknown crystal in this easy-to-follow directory that includes photographic identification, detailed descriptions, and information on the individual properties of each crystal--including the spiritual, mental and psychological, emotional and physical effects, plus its use in healing. It's an indispensable reference for crystal lovers everywhere.*

*This book provides guidelines for the basic identification of gemstones in an easily accessible manner. Illustrated in colour throughout and presented in a clear, uncomplicated way.*

*An A-Z Source Guide for the Enquiry Desk*

*A Gemologist's Guide*

*The Definitive Guide to Buying & Selling at the Auction House & on Internet Auction Sites*

*The Identification of Gems and Gem Minerals, and an Account of Their Scientific, Commercial, Artistic, and Historical Aspects*

*Timeless Natural Beauty of the Mineral World*

*Gemology*