

old chemistry lab countertops

Old Chemistry Lab Countertops: A Glimpse into the Past of Scientific Workspaces

Old chemistry lab countertops hold a unique place in the history of science education and research. These surfaces, often overlooked in the grand narrative of scientific breakthroughs, were silent witnesses to countless experiments, discoveries, and sometimes even mishaps. They reflect the materials, technologies, and safety standards of their time, making them fascinating artifacts for anyone interested in the evolution of laboratory design. Whether you're a collector, a restorer, or simply curious about vintage lab equipment, understanding old chemistry lab countertops offers valuable insights into how the scientific world has changed.

The Evolution of Chemistry Lab Countertops

Chemistry lab countertops have come a long way since the early days of simple wooden benches. The choice of countertop material has always been crucial because it directly affects the durability, safety, and usability of the workspace.

Materials Used in Old Chemistry Lab Countertops

In the mid-20th century and earlier, many lab countertops were made from materials that today might seem surprising. Common materials included:

- **Wood:** Early lab benches were often constructed from hardwoods like oak or maple. While easily available and affordable, wood was vulnerable to chemical damage and bacterial growth, making it less than ideal for rigorous lab work.
- **Concrete:** Some older labs used concrete countertops coated with paint or varnish. Concrete was strong but porous, so it often required sealing to prevent chemical absorption and staining.
- **Asbestos-based materials:** In some cases, asbestos cement boards were used due to their heat resistance, though this is now known to be hazardous.
- **Early phenolic resin laminates:** Before modern laminates became widespread, early versions of phenolic resin surfaces offered better chemical resistance compared to wood or concrete.

The limited availability of truly chemical-resistant materials meant that old chemistry lab countertops often showed signs of wear and damage, such as stains, etching, and cracks.

Why Material Choice Mattered

The chemical experiments conducted on these countertops exposed surfaces to acids, bases, solvents, and heat. Using a non-resistant material could lead to:

- Surface degradation and contamination
- Safety hazards due to chemical spills penetrating the surface
- Difficulty in maintaining cleanliness and sterility

This drove the push towards more resilient materials as science advanced and safety standards became stricter.

Identifying Features of Old Chemistry Lab Countertops

If you come across an old chemistry lab countertop—whether in an abandoned school, a vintage lab setup, or as a reclaimed piece—there are distinct characteristics you can look for.

Signs of Age and Wear

Old countertops typically exhibit:

- **Discoloration and staining:** Chemicals like acids or metal salts often left permanent marks.
- **Surface etching and erosion:** Repeated exposure to corrosive substances would sometimes cause pitting or roughness.
- **Cracks or chips:** Especially on brittle materials like concrete or early laminates.
- **Burn marks:** From Bunsen burners or hot apparatus placed directly on the surface.

These imperfections tell a story of intense use and the challenges faced in maintaining early lab workspaces.

Design Elements

Older lab countertops may also feature design traits that are rarely seen today, such as:

- Integrated wooden drawers or cabinets beneath the surface.
- Metal edging or trim to protect the surface edges.
- Built-in sinks made from porcelain or cast iron.
- Raised backsplashes to prevent spills from reaching walls.

These practical additions were common in educational labs where functionality was prioritized over aesthetics.

Restoring and Repurposing Old Chemistry Lab Countertops

Vintage lab countertops are more than relics; they can be creatively restored or repurposed, preserving their historic value while giving them new life.

Restoration Tips

If you have an old chemistry lab countertop and want to restore it, consider the following:

1. **Assess the material:** Knowing whether it's wood, concrete, or laminate will guide your restoration method.
2. **Clean thoroughly:** Use appropriate cleaners—avoid harsh chemicals that might worsen damage.
3. **Repair surface damage:** For wood, sanding and refinishing may revive the surface. Concrete can be patched with epoxy fillers. Laminates might require replacing damaged sections.
4. **Seal or coat:** Applying a protective sealant can enhance durability and chemical resistance.

Restoration requires patience and respect for the original material's limitations, especially with hazardous substances like asbestos that may be present in very old countertops.

Creative Repurposing Ideas

Old chemistry lab countertops have a rugged charm that suits various modern uses:

- **Workbenches:** Their sturdy construction makes them ideal for woodworking or crafting tables.
- **Kitchen islands or countertops:** Some people love the industrial look and history they bring to home kitchens.
- **Display surfaces:** In museums or educational institutions, they can showcase the evolution of science.
- **Garden potting benches:** Their resistance to wear and chemicals can be handy outdoors.

Repurposing also helps preserve a piece of scientific heritage, turning what might be discarded into functional art.

The Legacy of Old Chemistry Lab Countertops in Modern Laboratories

While modern chemistry labs use advanced materials like epoxy resin, stainless steel, or phenolic resin composites, the legacy of old lab countertops remains influential.

Lessons from the Past

Old countertops highlight the importance of:

- Selecting materials that balance chemical resistance, durability, and cost.
- Designing surfaces that facilitate easy cleaning and maintenance.
- Incorporating safety features like chemical-resistant edges and spill containment.

These considerations have shaped the standards governing lab design today.

Preserving Historical Laboratory Spaces

Several universities and institutions maintain historical chemistry labs as educational exhibits. Old countertops in such settings provide tangible connections to the scientific practices of previous generations. They help students and visitors appreciate how far laboratory technology has come and underscore the continuous need for innovation in scientific infrastructure.

Old chemistry lab countertops may no longer be the standard, but their stories persist in the scratches and stains that mark their surfaces. They remind us that science is not only about breakthroughs but also about the environments where knowledge takes shape. Whether you encounter one in an old school, a museum, or a reclaimed material market, these countertops offer a fascinating window into the history of chemistry labs and the evolution of scientific workspaces.

Frequently Asked Questions

What materials were commonly used for old chemistry lab countertops?

Old chemistry lab countertops were often made from materials like wood coated with varnish, ceramic tiles, or early forms of phenolic resin. Some also used marble or slate due to their chemical resistance.

Why were old chemistry lab countertops replaced in modern labs?

They were replaced because older materials often lacked durability and

chemical resistance needed for modern experiments, leading to damage, stains, and safety hazards. Modern countertops use materials like epoxy resin or stainless steel that are more resistant to chemicals and heat.

Are old chemistry lab countertops safe to use today?

Many old lab countertops may no longer be safe due to wear, chemical damage, or outdated materials that can degrade over time. It's important to assess their condition and chemical resistance before use, and often replacement is recommended for safety reasons.

How can old chemistry lab countertops be restored or maintained?

Restoration can involve thorough cleaning, resealing surfaces, and repairing cracks or chips. For wood or laminate surfaces, applying protective coatings can help. However, restoration is usually limited and may not fully restore chemical resistance.

What environmental concerns are associated with disposing of old chemistry lab countertops?

Disposing of old lab countertops can be environmentally challenging due to potential contamination with hazardous chemicals and materials like asbestos in older installations. Proper hazardous waste protocols must be followed to prevent environmental damage.

Additional Resources

Old Chemistry Lab Countertops: A Detailed Exploration of Their Legacy and Material Science

old chemistry lab countertops hold a unique place in the history of scientific education and research facilities. These surfaces, often overlooked in the grand design of laboratories, played a critical role in supporting experiments, withstanding harsh chemicals, and enduring decades of use. Investigating the materials, durability, and evolution of these countertops offers valuable insights into laboratory design, safety standards, and the progression of material science over the years.

Historical Context and Material Choices

Old chemistry lab countertops were typically crafted from materials that balanced chemical resistance, durability, and cost-effectiveness. In the mid-20th century, popular choices included epoxy resin, phenolic resin, and various types of stone, such as marble and slate. Among these, epoxy resin countertops became a standard due to their excellent resistance to acids, alkalis, and solvents, combined with relative ease of maintenance.

Phenolic resin was another common material, prized for its impact resistance and affordability, although it was less resistant to some chemicals compared to epoxy. Stone surfaces, especially marble, were initially favored for their aesthetic appeal and hardness but were eventually phased out due to their

vulnerability to etching and staining from common laboratory reagents.

Material Properties and Performance

The performance of old chemistry lab countertops largely depended on the chemical compatibility and mechanical strength of the chosen material. Epoxy resin surfaces, for instance, provided a smooth, non-porous work area that resisted most laboratory chemicals. This made them suitable for a wide range of experiments, including those involving strong acids like hydrochloric and sulfuric acid.

However, some materials had limitations. Phenolic resin, while durable, could degrade when exposed to strong oxidizers or prolonged moisture. Marble surfaces, although hard, suffered from acid etching, which is a form of surface corrosion that can compromise the integrity of the work area and pose safety risks.

Durability and Maintenance Challenges

One of the defining characteristics of old chemistry lab countertops is their remarkable longevity. Many laboratories still operate on countertops installed decades ago, a testament to the durability of materials like epoxy resin. However, longevity often comes with maintenance challenges.

Over time, these surfaces may develop cracks, chips, or discoloration due to repeated chemical exposure and mechanical wear. Repairing damaged countertops is often costly and, in some cases, impractical, leading institutions to replace them entirely. Additionally, older countertops might not meet current safety standards, especially regarding resistance to newer, more aggressive chemicals used in modern laboratories.

Safety and Compliance Considerations

The evolution of laboratory safety standards has influenced the materials and construction of chemistry lab countertops. Old countertops, while functional in their time, may lack features such as integrated chemical spill containment, enhanced fire resistance, or ergonomic design considerations that are standard today.

Chemical resistance testing has become more rigorous, and many older materials do not comply with contemporary regulations set by organizations like OSHA or ANSI. Consequently, laboratories aiming to maintain compliance often face decisions on whether to retrofit existing countertops or invest in modern replacements.

Comparative Analysis: Old vs. Modern Chemistry Lab Countertops

To understand the significance of old chemistry lab countertops, it is helpful to compare them to their modern counterparts:

- **Material Innovation:** Modern countertops incorporate advanced composites, stainless steel, and high-pressure laminates designed for superior chemical resistance and durability.
- **Environmental Impact:** Newer materials often prioritize sustainability, including the use of recycled content and reduced emissions during manufacturing.
- **Design and Ergonomics:** Contemporary countertops emphasize user comfort, with adjustable heights and integrated utility conduits, unlike many older installations.
- **Cost and Lifespan:** While old countertops were cost-effective for their time, modern materials may offer longer lifespans and lower maintenance costs despite higher initial investments.

This contrast highlights the advances in laboratory design while underscoring the continued relevance of older countertops in certain educational and research settings where budget constraints or heritage preservation are factors.

Preservation and Repurposing of Old Countertops

Some institutions choose to preserve or repurpose old chemistry lab countertops due to their historic value or structural soundness. This approach requires thorough assessment of the materials' condition and chemical resistance, especially if the countertops will continue to be used for scientific work.

Repurposing may involve converting old countertops into furniture, display surfaces, or non-chemical workstations. Preservation efforts often include refinishing surfaces, sealing cracks, and applying protective coatings to extend usability while maintaining safety.

Environmental and Health Implications

A critical aspect of old chemistry lab countertops is their environmental and health impact. Materials such as asbestos, once common in laboratory construction, have been phased out due to health risks, but remnants may still be found in older installations. Additionally, degradation of resin-based surfaces can release volatile organic compounds (VOCs) or other hazardous substances over time.

Proper assessment and handling during renovation or demolition are essential to ensure safe disposal and minimize environmental contamination. Modern laboratory design increasingly prioritizes non-toxic, low-emission materials to address these concerns.

Economic Considerations in Replacement and Renovation

Replacing old chemistry lab countertops involves significant financial planning. Costs extend beyond purchasing new materials to include labor, downtime, and compliance with updated safety and environmental codes. Laboratories must weigh the benefits of improved functionality and safety against budget constraints.

In some cases, refurbishing existing countertops offers a middle ground, extending their service life with minimal investment. Decisions often depend on the specific demands of the laboratory's work, the condition of existing surfaces, and long-term institutional goals.

The story of old chemistry lab countertops is one of material innovation, evolving safety standards, and changing educational needs. While many have been replaced by modern alternatives, their legacy endures in the fabric of scientific history and in laboratories where resilience and functionality remain paramount. Understanding their composition and performance helps inform decisions about preservation, replacement, and design of future laboratory environments.

Old Chemistry Lab Countertops

old chemistry lab countertops: *In the Study with the Wrench* Diana Peterfreund, 2020-10-13
The thrilling sequel to the book that Kirkus Reviews called "ingeniously plotted and vastly entertaining," inspired by the classic board game CLUE—now in paperback! New semester. New secrets. New murder. In the aftermath of their headmaster's brutal murder, Blackbrook Academy has been thrown into chaos. Half the student body hasn't bothered to return to campus—but those who have include Orchid McKee, Vaughn Green, Scarlett Mistry, Beth "Peacock" Picach, Phineas Plum, and Sam "Mustard" Maestor, now warily referred to by the other students as the Murder Crew. When another staff member is found dead, each teen's reasons for sticking around come to light. Orchid and Vaughn grow ever closer to having their secrets exposed, Peacock and Scarlett struggle to change their stripes, and Plum and Mustard question everything. As everything comes to a boiling point at Tudor House, nobody's life will ever be the same.

old chemistry lab countertops: *The Fusion Series Box Set* NJ Damschroder, 2018-03-07
Eighteen-year-old Roxie Sebastian lives a charmed life, and she knows it. But she couldn't feel it—until she learns that she's half angel, a being from another dimension, and she was separated from the light that is her soul during her traumatic birth. Someone has been screwing with that light, using it to commit crimes, and their actions are about to cause irreparable damage to two worlds: the one she lives in, and the one she can't remember. Aided by her best friend Jordan, her boyfriend Tucker, and fellow half-angel Lincoln, Roxie tracks down the criminal and uncovers many more secrets not only of her past, but of the history of their race on Earth. And then she faces a horrible dilemma—the only way she can stop them from ripping apart both worlds is to fuse with her light...which could be tainted by the evil with which it was used. ~~~~~ Fusing with her soul has allowed Roxie to feel complete for the first time in her life. But that doesn't mean everything is fine. Her angel-assigned mission prevents her from going to college and forces her to lie to her parents. She sucks at the cool powers that come along with being half angel. And now she finds out that angels aren't the whole story. There are shadows, too, and a centuries-old battle between angels and shadows has somehow put Roxie right in the middle. Forget fake homework and the easy,

memorable summer-before-college she's not having—the stakes are suddenly life or death, and the main casualty could be the one person she can't live without. ~~~~~ After saving the world (again), Roxie continues to struggle with the emotional explosion that came with her fusion. Her relationship with her parents is cracking under the strain of too many lies. And now she and her friends have let into our world a being of unimaginable power and unknown intentions. As a series of visions show her truths even the other angels and shadows didn't know, new threats close in. She must unite allies and enemies in a race to save her father from possession and the world from invasion. She can't succeed without the help of Gaia, the most powerful angel, who almost killed her 18 years ago. But that help will come at a most terrible price...

old chemistry lab countertops: Perfect Vision NJ Damschroder, 2017-06-30 Roxie Sebastian's life is a mess. She's struggling with the emotional explosion that's the aftermath of fusing with her angel soul. Her relationship with her parents is cracking under the strain of too many lies. And even though she and her friends have saved the world (more than one of them, actually) they also have let in a being of unimaginable power and unknown intentions. The circumstances of Roxie's birth have made her a completely unique being. Every time she uses her abilities, it increases her own power. As a series of visions show her truths even the other angels and shadows didn't know, new threats close in. She must unite allies and enemies in a race to save her father from possession and the world from invasion. She can't succeed without the help of Gaia, the most powerful angel, who almost killed her 18 years ago. But that help will come at a most terrible price...

old chemistry lab countertops: Loozer Norman Bank, 2006-03 When Ben and Herbie, two fourteen-year-old friends, are coerced into enrolling at Loozer Prep by their pushy fathers, they meet with one misadventure after another: a scary dorm master, unexplained faculty accidents, and bizarre student behavior. The boys suspect foul play and turn detective, only to end up at the bottom of an abandoned mineshaft. Will their oxygen run out? Will they survive to discover who's behind it all and why?

old chemistry lab countertops: Lessons in Chemistry Bonnie Garmus, 2025-04-01 #1 GLOBAL BESTSELLER WITH MORE THAN 8 MILLION COPIES SOLD • Meet Elizabeth Zott: “a gifted research chemist, absurdly self-assured and immune to social convention” (The Washington Post) in 1960s California whose career takes a detour when she becomes the unlikely star of a beloved TV cooking show. This novel is “irresistible, satisfying and full of fuel” (The New York Times Book Review) and “witty, sometimes hilarious...the Catch-22 of early feminism” (Stephen King, via Twitter). A BEST BOOK OF THE YEAR: The New York Times, Washington Post, NPR, Oprah Daily, Entertainment Weekly, Newsweek Chemist Elizabeth Zott is not your average woman. In fact, Elizabeth Zott would be the first to point out that there is no such thing as an average woman. But it's the early 1960s and her all-male team at Hastings Research Institute takes a very unscientific view of equality. Except for one: Calvin Evans; the lonely, brilliant, Nobel-prize nominated grudge-holder who falls in love with—of all things—her mind. True chemistry results. But like science, life is unpredictable. Which is why a few years later Elizabeth Zott finds herself not only a single mother, but the reluctant star of America's most beloved cooking show Supper at Six. Elizabeth's unusual approach to cooking (“combine one tablespoon acetic acid with a pinch of sodium chloride”) proves revolutionary. But as her following grows, not everyone is happy. Because as it turns out, Elizabeth Zott isn't just teaching women to cook. She's daring them to change the status quo. Laugh-out-loud funny, shrewdly observant, and studded with a dazzling cast of supporting characters, *Lessons in Chemistry* is as original and vibrant as its protagonist.

old chemistry lab countertops: Log Home Living, 2000-12 Log Home Living is the oldest, largest and most widely distributed and read publication reaching log home enthusiasts. For 21 years Log Home Living has presented the log home lifestyle through striking editorial, photographic features and informative resources. For more than two decades Log Home Living has offered so much more than a magazine through additional resources—shows, seminars, mail-order bookstore, Web site, and membership organization. That's why the most serious log home buyers choose Log

Home Living.

old chemistry lab countertops: Press Summary - Illinois Information Service Illinois Information Service, 1998-11-02

old chemistry lab countertops: Hot Shot L. Wayne Daye, 2020-12-15 "HOT SHOT" is a fictional story created around detective "SOLOMON KING" in pursuit of a serial killer in a southern city using deadly heroin as his weapon to play judge, juror and executioner as he seek revenge for the death of his niece from a heroin overdose.

old chemistry lab countertops: Generosity Richard Powers, 2009-09-29 The Pulitzer Prize-winning author's "provocative . . . dazzling" novel delves into the possibilities and consequences of finding the genetic basis for happiness (Ron Charles, The Washington Post). A refugee from the Algerian civil war, Thassadit Amzwar has not only survived terrible trauma, but also emerged from it with an unflagging sense of joy and optimism. Could it be that her infectious joy—which has inspired her fellow creative nonfiction students at the Mesquakie College of Art—is rooted in a genetic condition known as hyperthymia? When her condition captures the public imagination—and the attention of a pioneering geneticist—events are set in motion that bring profound questions into focus. What will happen to life when science identifies the genetic basis of happiness? Who will own the patent? Do we dare revise our own temperaments? Funny, fast, and magical, *Generosity* celebrates both science and the freed imagination. A New York Times Book Review Notable Book of the Year

old chemistry lab countertops: Rising Tides: Book 5 of the Irish End Games Susan Kiernan-Lewis,

old chemistry lab countertops: The Plant Hunter Cassandra Leah Quave, 2022-06-14 The uplifting, adventure-filled memoir of one groundbreaking scientist's quest to develop new ways to fight illness and disease through the healing powers of plants. "A fascinating and deeply personal journey." —Amy Stewart, author of *Wicked Plants* and *The Drunken Botanist* Traveling by canoe, ATV, mule, airboat, and on foot, Dr. Cassandra Quave has conducted field research everywhere from the flooded forests of the remote Amazon to the isolated mountaintops in Albania and Kosovo—all in search of natural compounds, long-known to traditional healers, that could help save us all from the looming crisis of untreatable superbugs. Dr. Quave is a leading medical ethnobotanist—someone who identifies and studies plants that may be able to treat antimicrobial resistance and other threatening illnesses—helping to provide clues for the next generation of advanced medicines. And as a person born with multiple congenital defects of her skeletal system, she's done it all with just one leg. In *The Plant Hunter*, Dr. Quave weaves together science, botany, and memoir to tell us the extraordinary story of her own journey.

old chemistry lab countertops: Cobalt Blue Matthew Reilly, 2022-08-02 For 35 years, the United States and Russia each had their own superhero. Three days ago, America's hero died. Today will be bad. In the face of an overwhelming attack, one young woman - unassuming and anonymous - might be America's only hope. Her codename ... COBALT BLUE

old chemistry lab countertops: Opposites Distract Judi Lynn, 2016-07-05 In small-town Mill Pond, Indiana, living the good life means kicking back country-style, opening your home to friends—and opening your heart to sweet surprises... Harmony Meyer arrives in Mill Pond focused on one thing—finishing her novel in peace and quiet while her apartment building undergoes renovations. A month at her friend Tessa McGregor's rural resort is exactly what she needs—until she discovers that Tessa's brother-in-law, Brody McGregor, is another guest. Tall, dark, and handsome is a distraction she can't afford. Especially when it's clear from the start they have nothing in common... Brody's a rugged yet polished and punctual businessman. Harmony's a sassy, down-to-earth artist who makes her own hours. He likes kids, she doesn't even want a pet. Still, when circumstances conspire to throw them together in Tessa's warm kitchen every evening, the heat between them begins to simmer. Is there a future for two such opposites? Harmony's not sure, but the more time she spends with Brody, the easier it is to cast him in the role of her romantic hero—and to wonder if love might be the perfect exception to every one of her rules...

old chemistry lab countertops: *Urban Issues* CQ Researcher Staff, 2001

old chemistry lab countertops: Customer Winback Jill Griffin, Michael W. Lowenstein, 2002-02-28 Most firms consider the lost customer a lost cause. But in this ground breaking book, Jill Griffin and Michael Lowenstein provide you with step-by-step solutions for winning back lost customers, saving customers on the brink of defection, and making your firm defection proof. Whether your business is small or large, product- or service-based, retail or wholesale, this book offers proven strategies for recognizing which lost customers have the highest win-back value and implementing a sure-fire plan to recover them. It includes the techniques of hundreds of innovative companies who are already working to recapture lost customers and keep them loyal. In today's hyper-competitive marketplace, no customer retention program can be entirely foolproof, but with this guide gives you today's best methods for winning back those customers you simply can't afford to let go.

old chemistry lab countertops: **Cooking up Trouble** Judi Lynn, 2016-04-12 Nothing stirs the pot like a new man in town... Welcome to Mill Pond and small-town country living, filled with fresh air, fresh food, and plenty of fresh gossip—especially when it comes to romance... It's impossible not to notice when someone new shows up in Mill Pond. Especially someone as obviously out-of-place as Ian McGregor. His stylish suit and fancy car scream "city slicker." And when Tessa Lawrence discovers he can't even change a tire, she has no choice but to help. That's just what the locals do. And when she finds out Ian's her new neighbor, of course she's obliged to invite him to dinner too... Turns out Ian's come from New York to open a luxury resort on the property next door to Tessa's farm, where she grows berries and sells her famous jams and delectable baked goods. But despite their quickly growing friendship and temptingly close proximity, Tessa plans to keep things with Ian strictly neighborly. For one thing, Ian's got a fiancée who, unlike Tessa, doesn't have dirt under her nails. Plus, Tessa knows from bitter experience that a guy this gorgeous is all too likely to break a simple country girl's heart. Even if he's as sweet as one of her cinnamon buns—and equally hard to resist...

old chemistry lab countertops: The Apocalypse Factory: Plutonium and the Making of the Atomic Age Steve Olson, 2020-07-28 A thrilling narrative of scientific triumph, decades of secrecy, and the unimaginable destruction wrought by the creation of the atomic bomb. It began with plutonium, the first element ever manufactured in quantity by humans. Fearing that the Germans would be the first to weaponize the atom, the United States marshaled brilliant minds and seemingly inexhaustible bodies to find a way to create a nuclear chain reaction of inconceivable explosive power. In a matter of months, the Hanford nuclear facility was built to produce and weaponize the enigmatic and deadly new material that would fuel atomic bombs. In the desert of eastern Washington State, far from prying eyes, scientists Glenn Seaborg, Enrico Fermi, and many thousands of others—the physicists, engineers, laborers, and support staff at the facility—manufactured plutonium for the bomb dropped on Nagasaki, and for the bombs in the current American nuclear arsenal, enabling the construction of weapons with the potential to end human civilization. With his characteristic blend of scientific clarity and storytelling, Steve Olson asks why Hanford has been largely overlooked in histories of the Manhattan Project and the Cold War. Olson, who grew up just twenty miles from Hanford's B Reactor, recounts how a small Washington town played host to some of the most influential scientists and engineers in American history as they sought to create the substance at the core of the most destructive weapons ever created. The Apocalypse Factory offers a new generation this dramatic story of human achievement and, ultimately, of lethal hubris.

old chemistry lab countertops: **The Coin Giver** M. M. Buckner, 2014-04-01 In a future of AI and clones, identity is at risk. A cyberpunk thriller from the "first clear-cut new star of twenty-first-century SF" (Robert J. Sawyer). In the 23rd century, the Earth's surface is devastated by global warming, and corporations exploit billions of poverty-stricken employees whose lifetime contracts they own. Richter Jedes, the rich powerful CEO of ZahlenBank, wants to live forever—so he makes two copies of himself. One is an evolved Artificial Intelligence imprinted with his

personality. The other is a perfect clone named Dominic, whom he raises as his son. When Richter suddenly dies, his son Dominic is left to deal with a terrible crisis which threatens ZahlenBank. And though Dominic loathes the egotistical A.I. masquerading as his father, they need each other's help to save the bank. Which of them is the true copy, and which is fake? Do they have free will, or are their destinies programmed in their source code? And, most important of all, does individual identity still have any meaning? This book was originally published under the title *Neurolink*.

old chemistry lab countertops: Materials and Components of Interior Architecture J.

Rosemary Riggs, 1999 An outstanding reference source for practicing designers, this thoroughly up-to-date guide to interior design provides a firm understanding of the products, properties, and uses of all materials. It offers a refreshing, synergistic approach, stressing the importance of cooperation between interior designers and architects, and mutual understanding of each others tools towards achieving a working and successful final project. It progresses from the ground up - literally - looking beyond the more decorative aspects of design to study the properties and uses of both finishing materials in the design field and structural materials in the architectural field. Threading a theme of environmental awareness throughout (i.e. recycling as ways to help cope with the growing landfill problems), it goes on to cover paints and finishes (and how these products have changed due to laws governing toxic emissions); carpets (with commercial specifications supplied by the Carpet and Rug Institute); flooring, walls, and ceilings (including their installation methods and maintenance requirements); cabinet construction; kitchens and bathrooms (featuring dynamic new materials now used in remodeling); and more. The metric system is integrated throughout, and manufacturers websites are listed for additional research.

old chemistry lab countertops: *Killer Physique* G. A. McKeveit, 2014-03-25 Plus-sized P.I.

Savannah Reid gets a taste of the high life when she attends a Hollywood premiere on the arm of husband Dirk Coulter. Savannah may be a newlywed, but even she gets weak in the knees when she meets celebrity athlete-turned-movie-star Jason Tyrone. So imagine how she feels when the star's rock-hard body is found rock-hard dead... Some guys have everything. With his stunning looks and dazzling charm, Jason Tyrone is America's favorite new action hero. Make that was. Once so spectacular in action, the blockbuster idol was found dead in his hotel room after his latest premiere. Despite his chiseled physique, Jason is never getting up again... Though the autopsy reveals Jason may have gotten his killer body through doping, no one wants to believe the beloved athlete is a fraud, least of all Savannah. Soon she's deeply immersed in the dark world of body enhancing drugs, and wondering if the world-class gym where Jason worked out is really just a front for a lucrative drug ring. Was Jason's death the price he paid for threatening to expose other celebrities caught in the clutch of keeping a flawless image? Or was everyone's favorite hero a victim of his own desire to always be at the top of his game? No stranger to society's obsession with image, Savannah is determined to get to the truth. And for the voluptuous investigator, this time it's personal.... Praise For G.A. McKvett And The Savannah Reid Mysteries Buried In Buttercream "McKevett has brought an exciting twist to the seventeenth entry in the series...a satisfying mystery." —Booklist "Entertaining...readers will relish the author's trademark wit." —Publishers Weekly "A wonderful edition to the series." —Suspense Magazine A Decadent Way To Die "Superb." —Publishers Weekly (Starred Review) Corpse Suzette "Savannah's as feisty as ever." —Kirkus Reviews Murder a la Mode "Added to a well-plotted mystery, the very funny depiction of a different side of reality television makes Murder á la Mode a delight." —Mystery Scene Peaches And Screams "A luscious heroine, humor, and down-home characters." —Library Journal

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