

EASY GLASS ETCHING

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What liquid do you use to etch glass? Whether you're a seasoned artist or just starting out, Armour Etch glass etching cream is the superior choice for achieving stunning, permanent designs on glass.

What can you etch glass with? Most glass objects like mason jars, mirrors, windows, and vases can be etched with Armour Etch. However, certain Pyrex products and colored glass may not work with etching cream.

What kind of glass cannot be etched? If you wish to work with one-eighth-inch glass, the best technique is acid etching. The only type of glass that should not be etched is tempered glass.

What is the alternative to etching glass? Frosted film is available in a wide range of textures, patterns, and opacities, offering greater versatility than etched glass. This allows for creative applications, from subtle privacy enhancements to bold decorative statements.

How do you etch glass easily?

How do you make etching solution at home? White vinegar is about 5% acetic acid, and when it is mixed with an equal part of 3% hydrogen peroxide it is supposed to make an efficient etchant.

How to permanently etch glass? Just use masking tape or painter's tape to mask off the parts you DON'T want to be etched, then apply the etching cream. After 20 minutes, peel off the tape and you'll have a nice crisp line between the untouched glass and the etched glass. You could also cut masking tape with scissors to make other designs.

Can you use a Dremel to etch glass?

What chemicals can I use to etch glass? A chemical etching spray (typically hydrofluoric acid) dissolves unprotected glass areas to etch the desired image.

What not to do when etching glass?

Why won't my glass etching cream work? All bubbles in the material near the design edges need to be completely removed prior to adding the cream. If the stencil is not properly adhered to the glass, etching cream will seep underneath the design edges and etch areas where it is not wanted.

Can you etch glass without a stencil? To etch glass, you'll have to find or draw a design that you want to transfer. Then, you can etch the glass by hand using a small handheld rotary tool or you can use a stencil and etching cream to create your design. Regardless of what method you choose, etching glass is a fun and creative activity.

Can I use Cricut vinyl for glass etching? If you love the look of etched glass but can't get etching cream to work for you, here is a wonderful alternative that will help you achieve the same look with more consistent results! Have you ever heard of Cricut Frosted Vinyl? It helps get that gorgeous etched glass look without messy etching chemicals.

Can you use Mod Podge for glass etching? Before applying the etching cream, apply a very light coat of mod podge to the glass to seal the stencil in place to ensure no leaks. After your stencil is on your glass, rub your finger over the edges to release any air bubbles that may be present.

Can you etch glass with sandpaper?

What can you etch besides glass? I've successfully etched on glass, plastic, brass, chrome etc. Basically anything with a gloss surface will take an etch.

How do you etch glass with a pen?

Will CitriStrip etch glass? In the case of glass, it's an acid etching the glass. But, the same process is done with CitriStrip, which is a paint stripper. So it's basically

“eating” the powder coated surface off the tumbler.

Can vinegar etch? Etching is a technique that involves coating the metal with an acid, which causes a chemical reaction that in turn produces a slight engraving. This helps paint adhere to the aluminum surface. Vinegar, a weak acid, can be used to etch aluminum in preparation for painting.

How do you make glass etch liquid? To create your glass etching solution, put 85ml DI water in a polypropylene or Teflon container. Add 5 ml of buffered HF to the water. Add 9-10 ml of HCl to the solution. Stir with a plastic stirrer.

What liquid is used for etching? ferric chloride may be used for etching copper or zinc plates, whereas nitric acid may be used for etching zinc or steel plates. Typical solutions are 1 part FeCl_3 to 1 part water and 1 part nitric to 3 parts water. The strength of the acid determines the speed of the etching process.

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What chemicals can I use to etch glass? A chemical etching spray (typically hydrofluoric acid) dissolves unprotected glass areas to etch the desired image.

Which solution is used for etching? Short-term use of nonprescription corticosteroid cream may offer short-term relief of itchy, inflamed skin. Or try calamine lotion or creams with menthol (Sarna, others), camphor, capsaicin, or a topical anesthetic, such as pramoxine (adults only).

What is the best acid to etch glass? Acid-etched decoration is produced by covering the glass with an acid-resistant substance such as wax, through which the design is scratched. The object is then immersed in hydrofluoric acid, or a mixture of dilute hydrofluoric acid and potassium fluoride is applied to etch the exposed areas of glass.

Does Eliza Jane marry Harve? The relationship never progressed beyond that because Eliza Jane found it impossible to express her true feelings to Harve. Eventually, Harve revealed that he was in love with another woman and planned to

marry her.

What happens to Eliza Jane on Little House on the Prairie? After obtaining the patent on her homestead, Eliza Jane left Dakota Territory and moved to Washington, D.C. where she worked for the Department of the Interior. She also became an ardent supporter of women's rights.

What season does Laura get married? S7. Since she is leaving, that leaves the house for Almanzo and Laura. They decide to get married on Adam and Mary's anniversary so that the men can help each other remember when it is!

How much of the Little House books are true? Laura's Little House books are a fictionalized account of her childhood, but they contain many charming and vivid descriptions of pioneer life in the 1870s and 1880s that have captivated young readers for generations.

Did Eliza Jane Wilder ever marry? Brief Life History of Eliza Jane She married Thomas Jefferson Thayer on 6 September 1893, in Spring Valley, Fillmore, Minnesota, United States. They were the parents of at least 1 son. She lived in Ward Six, Acadia, Louisiana, United States in 1900 and Acadia, Lafourche, Louisiana, United States in 1910.

What happens to Eliza in Jane Eyre? Eliza Reed is Jane's cousin and one of Mrs. Reed's two daughters (along with her sister, Georgiana). Not as beautiful as her sister, Eliza devotes herself somewhat self-righteously to the church and eventually goes to a convent in France where she becomes the Mother Superior.

Who does Laura end up with in Little House? Laura agrees, and she and Almanzo are married in a simple ceremony by the Reverend Brown. After a wedding dinner with her family, Laura drives away with Almanzo, and the newlyweds settle contentedly into their new home.

Does Miss Beadle get married on Little House on the Prairie? A. "Here Come the Brides" in which Miss Beadle marries the pig farmer, Adam Sims. No one knew that Adam was played by a dear friend, Joshua Bryant, who had gone to the Pasadena Playhouse with me in the late 50's!

What happens to Mary's baby on Little House on the Prairie? A carelessly discarded pipe, left by Albert (Matthew Labyorteaux) and a friend, starts a fire that engulfs the blind school. Though most of the residents and teachers escape, Mrs. Garvey(Hersha Parady) and Mary's (Melissa Sue Anderson) baby perish in the inferno.

Who does Laura marry? Happy Anniversary Laura and Almanzo! Laura Ingalls and Almanzo Wilder were married on August 25, 1885.

What episode is Laura pregnant? S7 E20: Pregnancy symptoms hit both Laura and her mother Caroline.

What episode does Laura find a baby? S4 E17: After finding a number of bottles containing messages, including a photograph, from a mysterious girl, Laura finds an abandoned baby. Laura takes the child in and cares for it like it was her own, not knowing it belongs to a timid young woman with an abusive father.

Why was Little House in the Big Woods banned? Ask The Old Farmer's Almanac: Is it true that Laura Ingalls Wilder's books were once banned in America? — S.J.A., Pawtucket, R.I. Answer: No, they weren't actually banned, but one of the books in her "Little House" series ("The Little House on the Prairie") was challenged as being discriminatory to American Indians.

Does Laura Ingalls Wilder have any living descendants? There are living relatives of Laura Ingalls Wilder, however, none of them are her direct descendants. Laura and her husband Almanzo had two children, only one of whom lived to adulthood. Their daughter, Rose, was also married and had a son, but he did not survive past infancy.

Which characters on Little House were real people? Nellie Oleson is what we call a composite character. That means she represents multiple real-life individuals. Nellie represented three real people from Laura Ingalls's childhood: Nellie Owens, Genevieve Masters, and Stella Gilbert.

Does Eliza Hamilton remarry? Like her mother, she became a widow at a young age in 1842. She did not remarry. Instead, she focused her life on cementing her father's legacy. Philip (1802-1884): Philip was three when his father died and thus

did not have the financial means to attend high-class universities like his brothers.

Is Eliza Jane married to Bob Morley? Bob and Eliza wed in 2019. In March 2022, their duo expanded with the arrival of their first child together, a boy called Henry.

Where does Eliza go in Jane Eyre? Jane stays at Gateshead for a month to settle the affairs of the Mrs. Reed's estate. Georgiana soon goes to London and eventually marries a rich gentleman. Eliza decides to enter a French convent where she eventually becomes Mother Superior.

Did Mary Ingalls ever marry? Following graduation, Mary returned to De Smet, living at home and keeping busy with her music and books. She never married, although she had a serious beau who proposed marriage. * Mary was active in church and social organizations and supplemented the family income by making fly nets for horses, which she sold.

Synthesis of Tamiflu and its Phosphonate Congeners

What is Tamiflu?

Tamiflu (oseltamivir phosphate) is an antiviral medication used to treat and prevent influenza (the flu). It is a neuraminidase inhibitor, which blocks the activity of the neuraminidase enzyme that the flu virus uses to infect cells.

How is Tamiflu synthesized?

Tamiflu is synthesized through a multi-step process involving the following key steps:

- **Acylation of a chiral epoxide:** The reaction of a chiral epoxide with an acyl chloride gives a chiral ester.
- **Mitsunobu reaction:** This reaction converts the ester to an azide, which is then reduced to an amine.
- **Phosphorylation:** The amine is phosphorylated to form the phosphoramidate intermediate.
- **Coupling:** The phosphoramidate intermediate is coupled with an alcohol to form the active pharmaceutical ingredient (API) of Tamiflu, oseltamivir phosphate.

What are phosphonate congeners of Tamiflu?

Phosphonate congeners of Tamiflu are structurally similar to Tamiflu but contain a phosphonate group instead of a phosphate group. Phosphonate congeners have been investigated as potential antiviral agents with improved pharmacokinetic properties compared to Tamiflu.

How are phosphonate congeners of Tamiflu synthesized?

Phosphonate congeners of Tamiflu are synthesized using similar chemistry to Tamiflu, with the key difference being the use of a phosphonate instead of a phosphate in the final coupling step.

Conclusion

The synthesis of Tamiflu and its phosphonate congeners is a complex process that requires multiple steps and specialized chemistry. These compounds are important antiviral agents that have been widely used to treat and prevent influenza.

Tes Kompetensi Bidang Perencana Diklat

Untuk menjadi seorang perencana diklat yang profesional, individu harus memiliki kompetensi yang memadai dalam berbagai aspek perencanaan dan pengembangan diklat. Tes kompetensi adalah salah satu cara untuk mengukur tingkat penguasaan kompetensi tersebut.

Pertanyaan dan Jawaban Tes Kompetensi

Tes kompetensi bidang perencana diklat umumnya mencakup pertanyaan-pertanyaan yang menguji pemahaman dan keterampilan kandidat dalam aspek-aspek berikut:

1. Perencanaan Strategis Diklat

- Bagaimana menyusun rencana strategis diklat yang selaras dengan tujuan organisasi?
- Apa saja faktor-faktor yang perlu dipertimbangkan dalam menyusun rencana strategis diklat?

2. Analisis Kebutuhan Diklat

- Apa saja metode yang dapat digunakan untuk mengidentifikasi dan menganalisis kebutuhan diklat?
- Bagaimana mengidentifikasi kesenjangan kompetensi dalam suatu organisasi?

3. Pengembangan Program Diklat

- Apa saja prinsip-prinsip yang harus diperhatikan dalam mengembangkan program diklat?
- Bagaimana menyusun kurikulum dan rencana pembelajaran program diklat?

4. Evaluasi Diklat

- Apa saja metode evaluasi diklat yang dapat diterapkan?
- Bagaimana mengukur efektivitas program diklat dalam meningkatkan kompetensi peserta?

5. Manajemen Diklat

- Apa saja peran dan tanggung jawab perencana diklat dalam manajemen diklat?
- Bagaimana mengelola anggaran dan sumber daya diklat secara efektif?

Tujuan Tes Kompetensi

Tes kompetensi bidang perencana diklat bertujuan untuk:

- Mengidentifikasi kandidat yang memiliki kompetensi yang diperlukan untuk menjadi perencana diklat yang efektif.
- Menyediakan informasi tentang kesenjangan kompetensi kandidat dan area yang perlu dikembangkan.
- Membantu organisasi dalam meningkatkan kualitas perencanaan dan pengembangan diklat yang dilaksanakan.

Dengan memahami kompetensi yang diperlukan dan menjawab pertanyaan-pertanyaan tes dengan baik, kandidat dapat menunjukkan kemampuan mereka sebagai perencana diklat yang kompeten dan profesional.

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