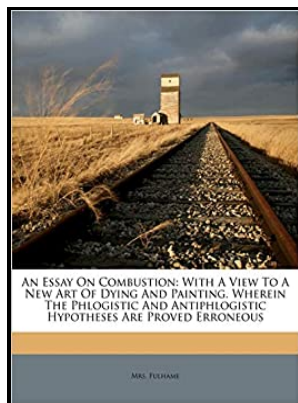


# Essay on combustion, with a view to a new art of dying and painting. ... By Mrs. Fulhame

printed for the author, by J. Cooper, and sold by J. Johnson; G. G. and J. Robinson; and T. Cadell, Jun. and W. Davies - Elizabeth Fulhame: the scientist the world forgot



Description: -

-essay on combustion, with a view to a new art of dying and painting.

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Eighteenth century -- reel 5421, no. 10.essay on combustion, with a view to a new art of dying and painting. ... By Mrs. Fulhame

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## Gold

The acids of vinegar and tartar seemed to impede the reduction, the muriatic acid also seemed to have the same effect, though not in so great a degree as the two former. Phosphorus does not reduce gold by giving the metallic earth phlogiston, as the Phlogistians suppose; for were this opinion true, a solution of gold in ether, or alcohol, should be reduced by the phosphorus as effectually as a solution of gold in water is. A bit of silk was immersed in a solution of nitrate of mercury in distilled water, and dried; parts of the silk immediately acquired a slate colour; the silk was then exposed to the vapour of sulphur, obtained from a burning match, but it suffered no change, except that the colour became a little more intense.

## Catalisador

Embora a origem do conceito de catálise seja comumente atribuída à , quarenta anos antes, a química escocesa Elizabeth Fulhame publicou seu livro *An Essay On Combustion with a View to a New Art of Dying and Painting*, no qual foi sugerida, pela primeira vez, a participação catalítica de uma pequena quantidade de moléculas de água em reações de combustão.

## Catalisador

That water is essential to the reduction of metals by sulphurated hydrogen gas. The internal parts however, retained an obscure metallic splendour, which disappeared in a few hours. Reprinted as *The Empire of the Invisibles* by H.

**An essay on combustion, with a view to a new art of dying and painting: wherein the phlogistic and antiphlogistic hypotheses are proved erroneous. .**

Boston: Little, Brown and Company, 1910.

**An essay on combustion, with a view to a new art of dying and painting. ... / [electronic resource] ...**

I dipped a bit of silk in a solution of fused nitrate of silver in alcohol, and dried it in the air: then some of the solution of phosphorus was applied, which produced a brown stain, whose margin, after a few minutes exposure to the air, acquired a livid white appearance, caused by a partial and imperfect reduction of the silver.

### **Catalisador**

The discovery, as reported in the eighteenth century, was a fortuitous accident similar to that of Prussian blue; fortunate in that the discovery happened to someone able to recognize and exploit it. Not for the first time, the idea of an amateur, and a woman at that, were not immediately taken very seriously by her husband and his friends: The project being mentioned to Doctor Fulhame, and some friends, was deemed improbable. After this piece remained in the air for some time, the brown tinge became more intense, a proof that it attracted water from the air.

### **Elizabeth Fulhame**

A bit of white calico was immersed in a solution of acetite of lead in distilled water and dried in the air, then a few drops of the solution of carbon were applied, but no visible alteration took place. A piece of silk, which was immersed in a solution of nitro-muriate of gold in water, and dried in the air, was exposed to sulphurated hydrogen gas, the silk got a slight tinge of brown, but no other change occurred; it was then wetted with alcohol, and after some time, the brown became more intense, and white films appeared on some parts of the silk, owing to moisture collected from the gas, which is always replete with water. Page and Company, c1910; Repr.

### **An essay on combustion, with a view to a new art of dying and painting. ... / [electronic resource] ...**

Orkneyinga saga sive Historia Orcadensium a prima Orcadum per Norvegos occupatione ad exitum seculi duodecimi.

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