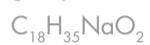


# TOP 10 SIMPLE CHEMICAL FORMULAE THAT CHANGED THE WORLD.



## SOAP

Animal fat, alkali and oils gets you sodium stearate.



## CAST IRON

Iron ore and carbon, plus heat.



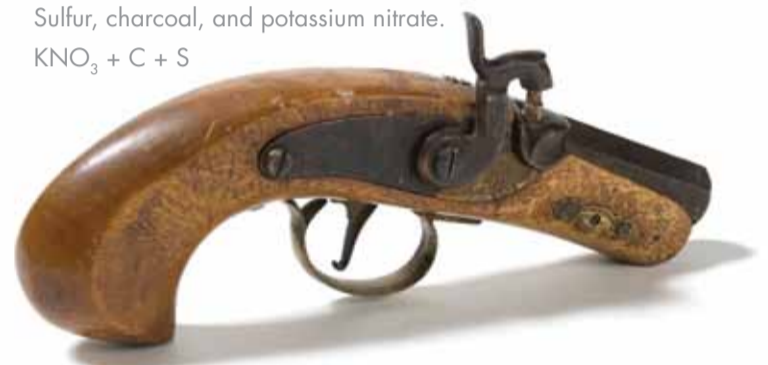
## SODIUM BICARBONATE

Used in everything from medicine to cooking, it's produced by the simple reaction of calcium carbonate, salt, ammonia, and carbon dioxide in water.



## GUNPOWDER

Sulfur, charcoal, and potassium nitrate.



## IODIZED SALT

Sodium chloride and potassium iodide.



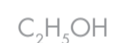
## SACCHARIN

Sweet and simple: Anthranilic acid reacts with nitrous acid, sulfur dioxide, chlorine, and then ammonia.



## DISTILLED ALCOHOL

Vegetable matter, sugar, and heat.



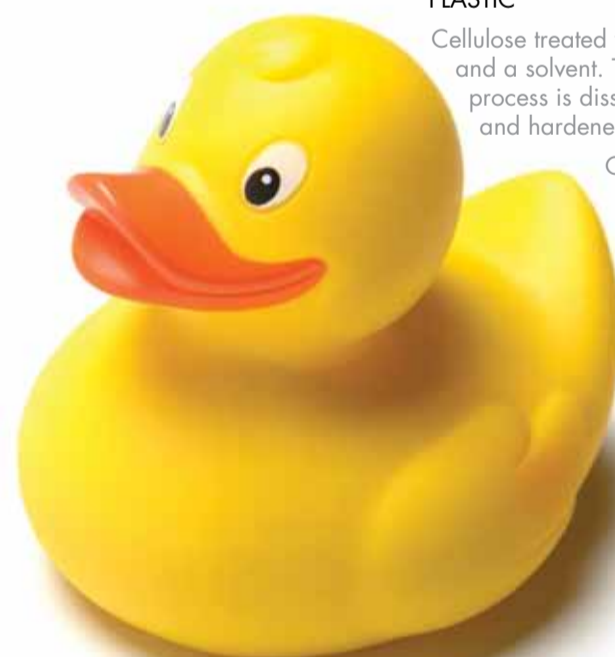
## TEFLON

Accidentally invented in 1938. The perfluorethylene of a refrigerant polymerized in its pressurized storage container. The iron inside the container acted as a catalyst.



## PLASTIC

Cellulose treated with nitric acid and a solvent. The output of the process is dissolved in alcohol and hardened.



## GLASS

Take pure silica, lime, magnesium oxide and heat and you've got the transparent material that changed the way we live.



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