Research

German chemist, A. G. Werner, named it,

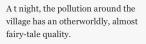
graphein, "to write."

sensibly enough,

from the Greek

Graphite

Graphite, a crystallized form of carbon, was discovered near Keswick, England, in the mid-16th century. An 18th-century



"The air sparkles," said Zhang Tuling, a farmer in a village in far northeastern China. "When any bit of light hits the particles, they shine."

By daylight, the particles are visible as a lustrous gray dust that settles on everything. It stunts the crops it blankets, begrimes laundry hung

outside to dry and leaves grit on food. The village's well water has become undrinkable, too.

Beside the family home is a plot that once grew saplings, but the trees died once the factory began operating, said Zhang's husband, Yu Yuan.

"This is what we live with," Zhang said, slowly waving an arm at the stumps.

Zhang and Yu live near a factory that produces graphite, a glittery substance that, while best known for filling pencils, has become an indispensable resource in the new millennium. It is an ingredient in lithium-ion batteries.



(blockage). Plus, m from mines and fac xGnP® Graphene Nanoplatelets and XG Nanomaterials which are made using, "High quality graphene nanoplatelets and nanomaterials that are produced using cost-effective, non-oxidizing processes in shorter cycle times..." Or how about Carbon grown fungi, "A highly porous

carbon structure produced through a process of thermally converting (clean burning) fungal biomass."

However, today graphite is attained in other ways, through graphite factories and mines that not only pollute the air in the towns (often foreign) that they are in, but leave a coat on food, laundry and have made the water undrinkable And while graphite may be a minimally toxic substance it can cause: stomachache and vomiting, which could be from a bowel obstruction (blockage). Plus, mixed with heavy air pollution effects from mines and factories. Instead we could look to use



Wood

While wood may seem like a simple ingredient, wood farming and tree chopping is one of the many ways humans are ruining the planet "Tropical rainforests supply about ½ of the worlds industrial lumber. Logging companies claim that most of their logging is selective Rather than clear cutting and that only 5 to 7 percent of wood taken from tropical rainforests is exported."

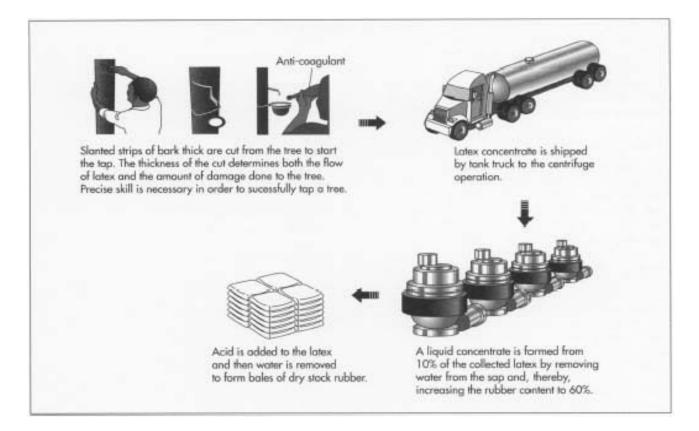


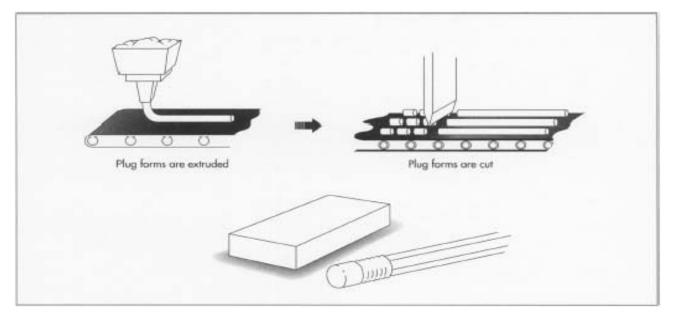
Research

Instead, we could use Lacquered pencils which do not have the wooden envelope and therefore, it from either graphite lead or pastel lead only. Or, recycled paper envelopes to house "lead".

Rubber

Rubber can be and in the case of pencil manufacturing is synthetically made using this \leftarrow process. The toxic effects of pencil eraser ingestion are the same as those of graphite ingestion.





Research

Sources

https://www.care2.com/greenliving/16-surprising-uses-for-pencils-erasers.html

https://www.dovemed.com/healthy-living/first-aid/first-aid-pencil-eraser-poisoning/

http://www.madehow.com/Volume-5/Eraser.html

http://factsanddetails.com/world/cat52/sub329/item1302.html

https://www-materialconnexion-com.libproxy.newschool.edu/database/?cat=59