



Did you know that 95% of the penny was made of copper?





Is a reddish - gold colour.



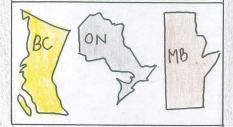
can be made into wires easily which means it's ductile.



Can be used to make coins, vewelry, cookware and more.

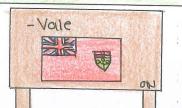


British Columbia produces the most capper in Canada, followed by Ontario, then Manitoba.



The highland Valley mine in British Columbia is the largest open-pit copper mine in Canada. This mine is operated and owned by Tech resources. Another company called Vale produces copper in a lot of mines in Ontario.





The most common way to mine copper is open pit mining (extracting minerals and rocks from an open pit). For copper deeper underground, there is underground mining (extracts ore safely and producing little waste possible).



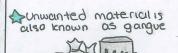
Cet me show you the steps of processing copper with this powerpoint.

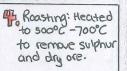


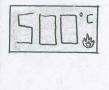
Mining: Copper are is removed from the ground



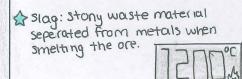
3. Concentrating: ore is enriched with process called Froth flotation. Uhwanted material is removed.

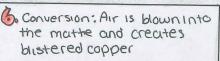






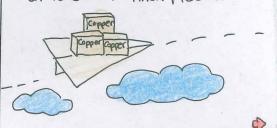
5. Smelting: Heated at 1200°C and melts. Some unwanted ores are removed as slag leaving matte (copper and Iron sulphide liquid).

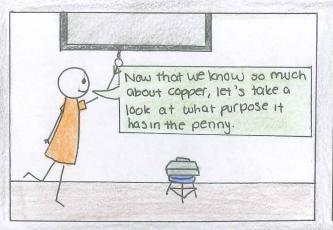




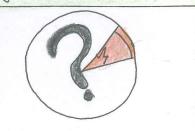


To electro refining: purified to 99.99%. Copper by electroly sis. Then sent off to become final product.

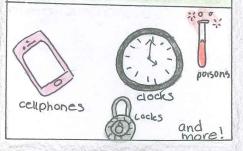




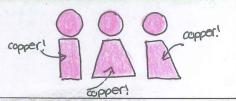
Copper is one of the binding materials of pennies, so without 95% of the product, it just doesn't exist.



been affected without copper, but so many other objects that use this metal such as...

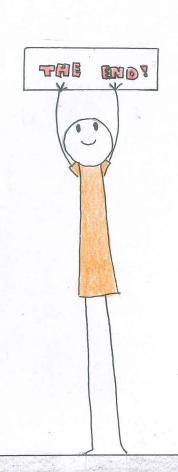


This is why copper is so important to our daily lives, but that's not it! copper is also a mineral in the body that helps make red blood cells and keeps nerve cells and immune systems healthy!!



Our beloved metal, copper, is something we literally cannot live without. It's unique colours and uses prove it's importance and warth on this planet.





Natasha Sujitharaj Dr. Norman Bethune

References

- Bell, T. (n.d.). Learn About the Common Uses of Copper, What It's Used for and More.

 Retrieved from http://www.thebalance.com/copper-applications-2340111
- Bokovay, G. (n.d.). Copper. Retrieved from http://www.thecanadianencyclopedia.ca/en/article/copper/
- Copper. (n.d.). Retrieved from http://www.madehow.com/Volume-4/Copper.html
- Copper. (n.d.). Retrieved from http://www.umm.edu/health/medical/altmed/supplement/copper
- Copper Element information, properties and uses | Periodic Table. (n.d.). Retrieved from http://www.rsc.org/periodic-table/element/29/copper
- Copper Mining Equipment. (n.d.). Retrieved from http://www.amking.com/en/copper-mining-equipment
- Copper Mining and Processing: Everything you Need to Know. (2017, August 04). Retrieved from
 - http://www.generalkinematics.com/blog/copper-mining-processing-everything-need-know/
- Copper Mining in Canada. (2016, May 16). Retrieved from http://samssa.ca/copper-mining-canada/
- Copper Mining in Canada. (2017, December 06). Retrieved from http://investingnews.com/daily/resource-investing/base-metals-investing/copper-investing/copper-mining-in-canada/
- Helmenstine, P. A. (n.d.). 10 Interesting Copper Facts. Retrieved from http://www.thoughtco.com/interesting-copper-element-facts-603357
- Important Uses of Copper in Our Every Day Lives. (2017, November 02). Retrieved from http://www.amsmetal.com.my/uses-of-copper-in-our-every-day-lives/

Staff, L. S. (2016, June 21). What's a Penny Made Of? Retrieved from http://www.livescience.com/32401-whats-a-penny-made-of.html
Underground Mining. (n.d.). Retrieved from http://www.ritchiewiki.com/wiki/index.php/Underground_Mining
All equipment required to process copper. (n.d.). Retrieved from http://www.miningbmw.com/gold/7630.html