

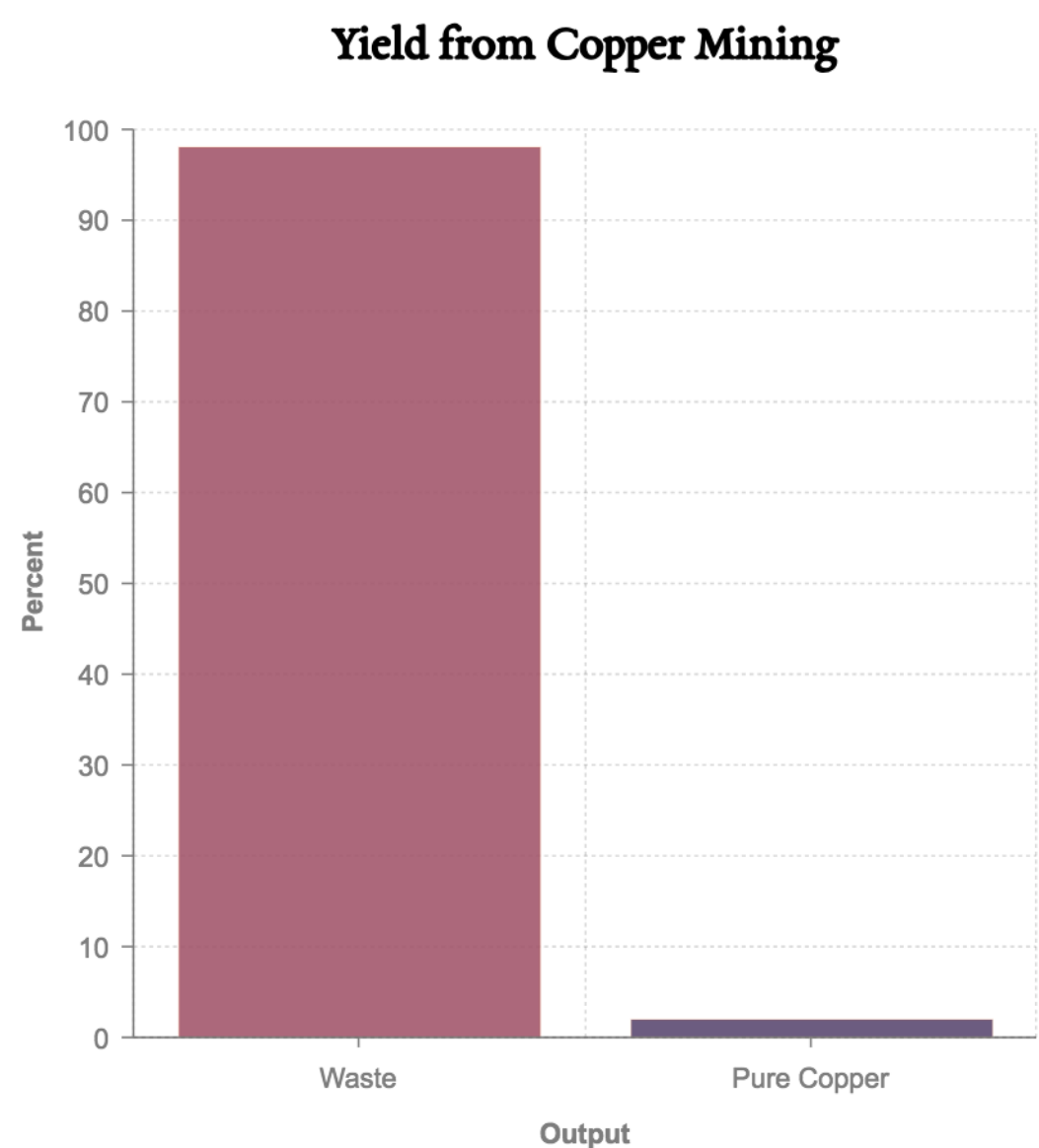
The Outcome of Electronics

1 THE BEGINNING...OF RAW MATERIALS



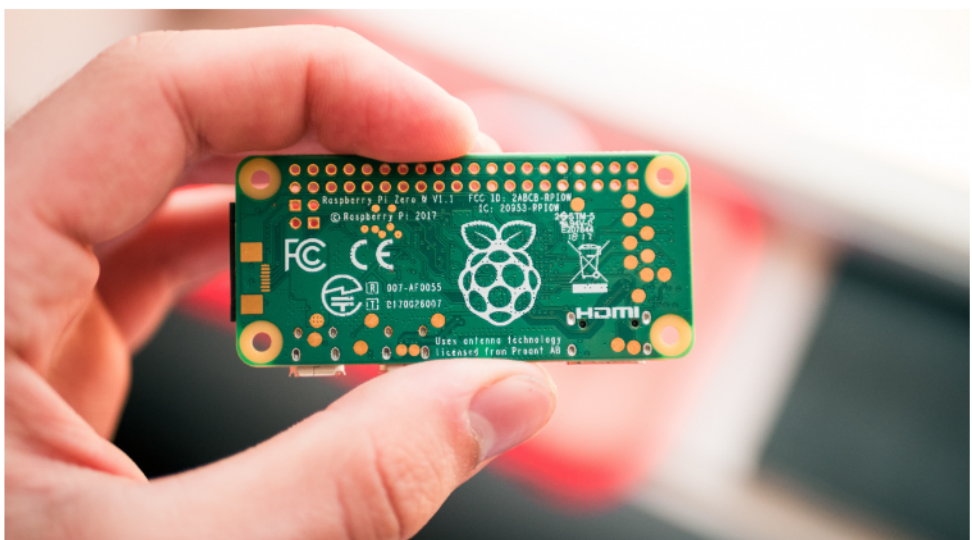
This is a photo of an Open Pit Mine. An Open Pit Mine is a surface mining technique that miners use to collect copper ore. Copper can conduct electricity. Copper Ore is a Raw Material that is created from the Earth. Raw materials are made from the Earth, the plants, and the animals. Synthetic materials are raw materials that has gone through a chemical process. Copper ore goes through a chemical process to become pure copper to go into our electronics.

The Bar Graph above explains how copper mining and the process of making pure copper is unhealthy for the environment and for ourselves. Did you know that we only get 2% of the pure copper is actually man-made and the 98% left is waste? The percentage of waste left can be caught up in rainwater and create runoff.



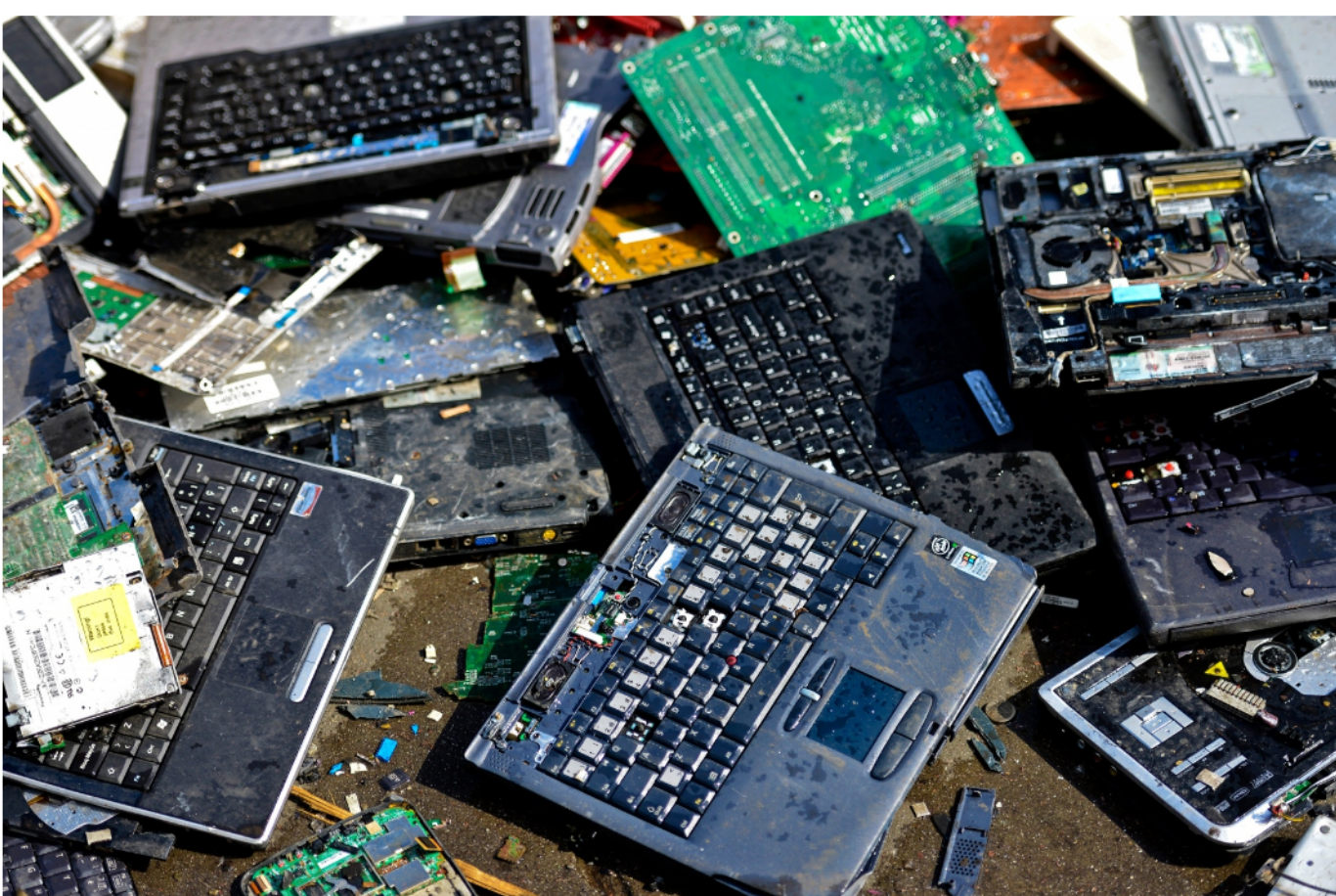
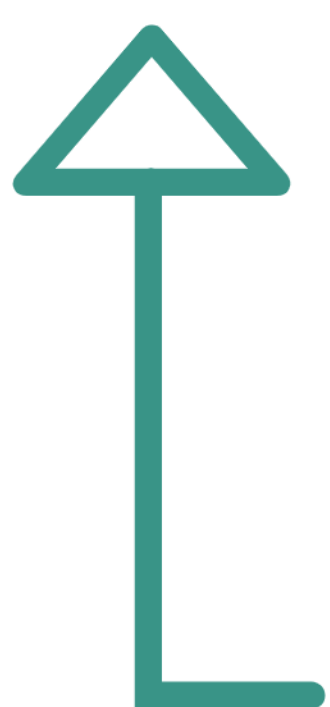
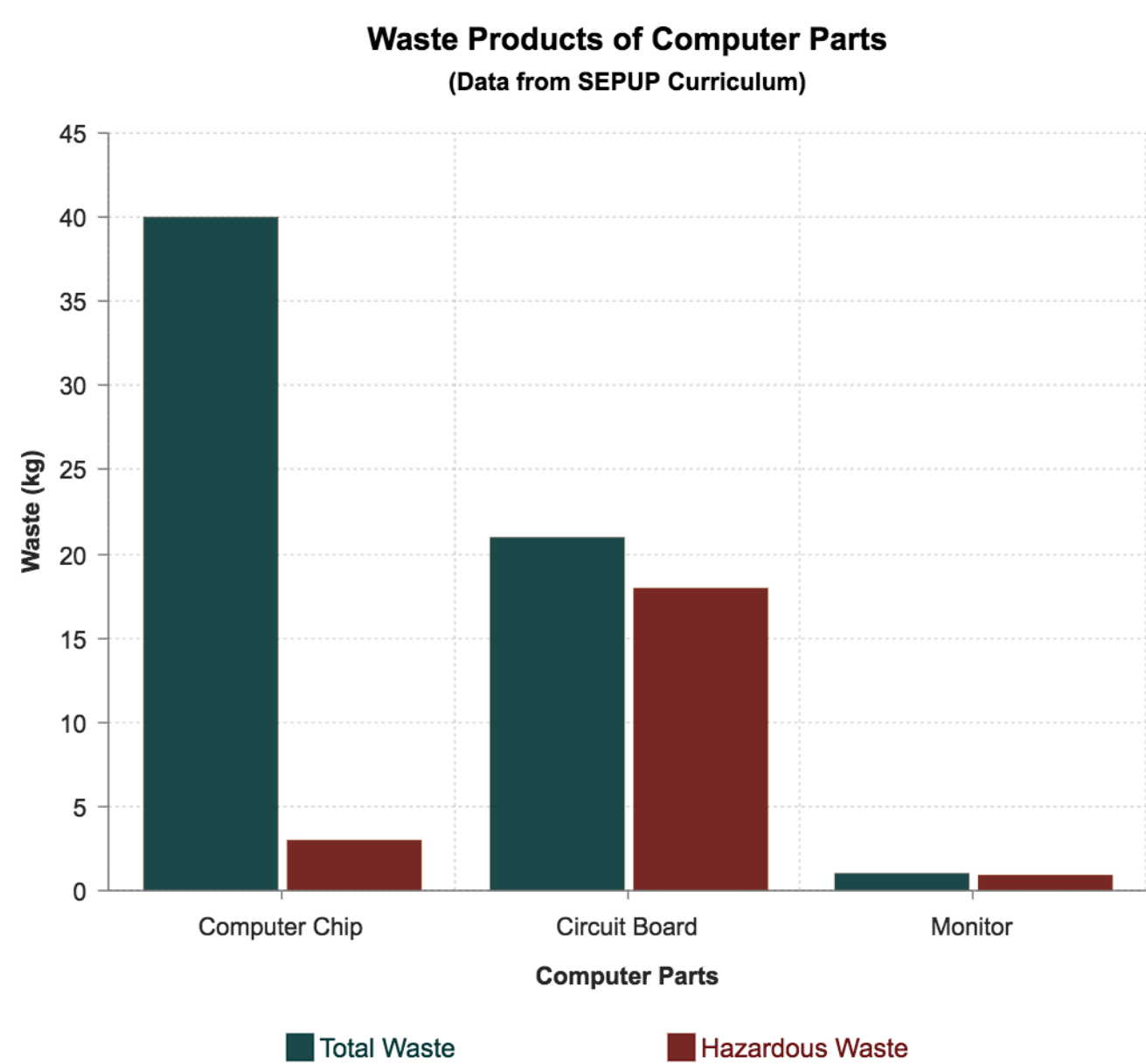
The Manufacturing Process

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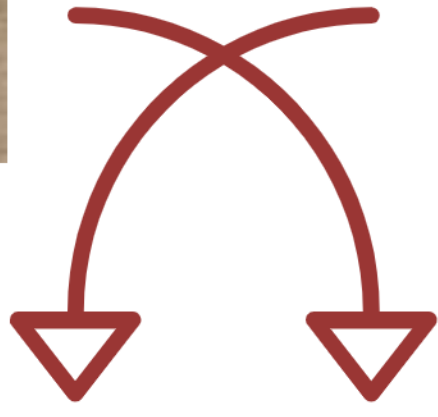


To make a circuit board for computers the manufacturers have to put the boards through a process called etching solution. During the process, the pure copper begins to come off of the becoming circuit board. The bits of copper becomes the precipitate in the etching solution. The precipitate is when two liquids are mixed together and the solid compound comes out of the solution.

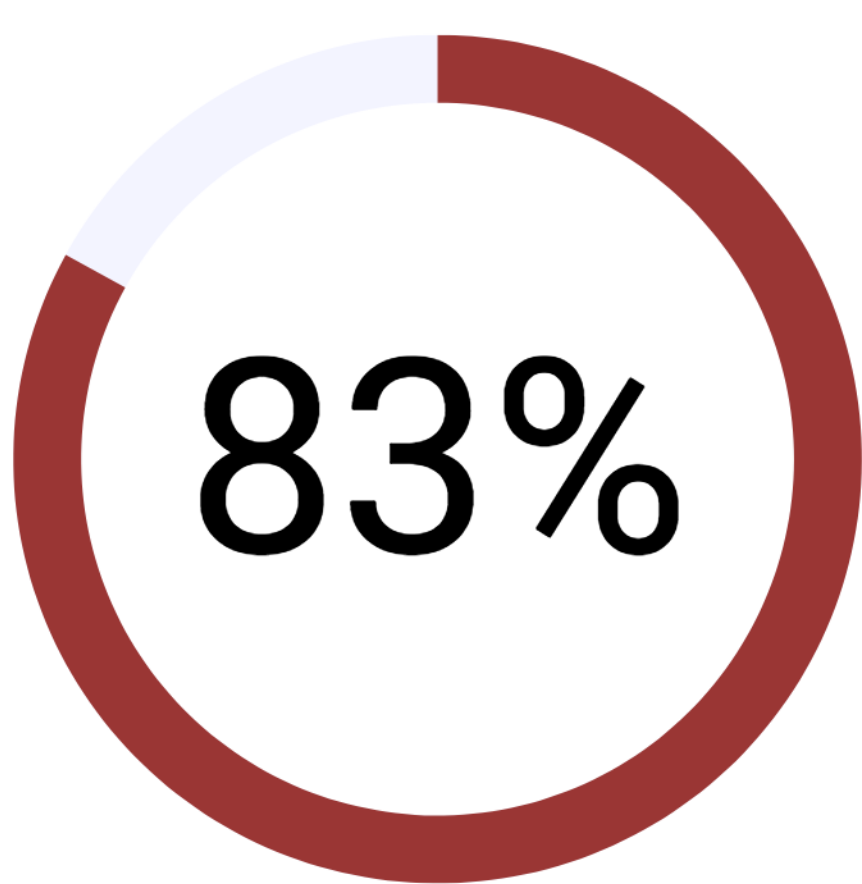
During the process, of manufacturing the remains of the electronics become waste. When the manufacturers dismantle the electronics, the remains get placed on the ground and the works don't understand how it dangers our environment. The normal waste that the circuit board produces is 21 kilograms. But you may say, "Oh that's not bad, really not a lot," but if we take a look at how much hazardous waste the circuit board produces. The circuit board produces 18 kilograms of hazardous waste. If we convert 18 kg into pounds every time e create circuit boards we produce 40 pounds of hazardous waste to the environment.



3 E-Waste: Disposal



Did you know that each year 17 million pounds of plastic is being produced by humans? Did you also know that in a section of the Pacific Ocean there is a giant patch of floating garbage and is larger than Texas? All of this trash goes into the stomachs of innocent sea animals and contaminates peoples water system/bodies. About 83% of plastic is found in water samples and some studies show that rock salt and fish have been found in the 83% of plastic that is found in the water source. With rock salt on our bodies can dehydrate us and leave us burning and dry.



Thanks for reading and have a great evening!