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If I Could Invent Something New

When I saw the topic the essay “If I Could Invent Something new” what would it be, then it struck me. Few weeks back, there was an outbreak of cholera in the country. What could I invent that will stop the outbreak and prevent further outbreak in the future.

Cholera is a water borne disease caused by an organism called *Vibrio Cholerae*. It is present in unclean water or water that is not well purified. It causes symptoms such as diarrhoea and vomiting and it can lead to death if not quickly treated. I thought of what I could invent to purify drinking water in the community, that would not require a sophisticated machinery and would not require electricity to process, as we do not have a stable electricity in the country, especially in rural areas. Then I came up with the idea of a solar water purifier.

Since we use solar panels and inverter to generate electricity from the sun due to unstable electricity, I could use the solar energy to power the water purifier.

This device will use renewable solar energy to purify contaminated water, making it safe for drinking. The device will also be portable and affordable to the people of the community. It will not be too complicated so that even a lay man can easily operate it.

Therefore, the average man or woman in the community can use it to purify their water. Water gotten from flowing rivers or the stream and other natural sources, can be purified using this device.

I will create an awareness on the use and importance of this device, the importance of safe drinking water and why every household should have one. I will also make it very durable and easy to maintain. Since it uses the sun as a source of energy, the cost of operating it will be absolutely free.

In addition, I could create job opportunities by inventing this device, which will also promote entrepreneurship.

The solar water purifier has the potential to change the type of water consumed in the rural communities, thereby improving the lives of hundreds of people.

This can eventually reduce the chances of future cholera outbreaks and other water borne diseases in Nigeria and no one will have to die from unsafe and unclean water any more.

In conclusion, my invention, a solar water purifier, would not only address a critical health issue but also empower communities economically and socially. It embodies the principle of using renewable energy to solve problems, creating a sustainable and healthier future for all.