

Student Name: Divine Chiziterem Chukwu James

School: Federal Government Girls College

Class: JSS 2

### ESSAY TOPIC: IF I COULD INVENT SOMETHING NEW

If I could invent something new, it would be a portable water purification device specifically designed for use in boarding schools. As a junior secondary school student in a boarding school, I have experienced firsthand the challenges of accessing clean and safe drinking water. Many times, the water from the taps in my school dormitories is discolored and has a strange odor, and sometimes with green particles in it, making it unappealing and potentially unsafe to drink. This has led to many students including me falling ill due to waterborne diseases, affecting our health and academic performance.

The lack of access to clean drinking water is a common issue not only in my school, but also in many other boarding schools, especially in rural areas and some urban regions in Nigeria. Students are forced to rely on bottle/sachet water, which is expensive. This not only put a strain on the student's finances but also contributes to environmental pollution due to the disposal of plastic bottles.

My invention would address this problem by providing a cost-effective and sustainable solution to purifying water in boarding schools. The portable water purification device would be compact and easy to use, making it ideal for students living in dormitories with limited space. It would utilize advanced filtration technology to remove impurities and contaminants from the water, ensuring that it is safe for consumption.

One of the key features of the device would be its affordability. I understand that many boarding school students come from low-income families and may not be able to afford expensive water purification systems. Therefore, my invention would be designed to be cost effective, making it accessible to students from all socioeconomic backgrounds. In addition to providing clean drinking water, the device would also have a positive impact on the environment. By reducing the reliance on bottle/sachet water, it would help to minimize plastic waste and promote sustainability. This aligns with the growing global movement towards eco-friendly solutions to environmental challenges.

Furthermore, the portable water purification device would be easy to maintain and operate, allowing students to take charge of their own health and well-being. It would empower them to make informed choices about their water consumption and reduce the risk of waterborne diseases.

Overall, my invention would revolutionize the way boarding schools approach water purification, ensuring that students have access to clean and safe drinking water at all times.

In conclusion, if I could invent something new, it would be a portable water purification device for use in boarding schools; this invention has the potential to make a significant impact on the lives of students providing them with a basic necessity that is often taken for granted. By addressing the issue of access to clean drinking water, my invention would contribute to a healthier and more sustainable future for boarding school communities.