**Name**: ABIOYE Aishat

**School**: Prince College, 71a Temidire Street, Ido-Osun, Osun State

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**Essay Title**: “If I Could Invent Something New”

“You can’t stop the waves, but you can learn to surf.” My grandmother once told me this proverb while teaching me to adapt to challenges instead of being overwhelmed by them. It reminds me of how millions of people face the challenge of finding clean drinking water every day. If I could invent something new, it would be a portable water purification device powered by solar energy to help solve this problem.

This invention would be named the “SolarHydra.” This device would use solar panels to generate energy, which would then power an advanced filtration system. This system would remove contaminants, bacteria, and viruses from water, making it safe to drink. The SolarHydra would be portable, compact, and easy to use, making it perfect for various situations, including emergency responses, outdoor adventures, and rural communities.

The SolarHydra’s innovative design would feature a durable and waterproof casing to withstand harsh environments. It would also include a built-in water tank, allowing users to store purified water for later use. Additionally, the SolarHydra would come with a UV LED indicator, which would signal when the water is safe to drink.

The solar panels would be designed to maximize energy absorption, even in low-light conditions, ensuring consistent performance. The filtration system would incorporate cutting-edge technologies, such as nanofiltration and ultraviolet treatment, to remove a wide range of contaminants.

Access to clean drinking water is essential for preventing waterborne diseases. According to the World Health Organisation, every 90 seconds, a child dies from waterborne diseases. By providing a reliable means of water purification, SolarHydra would help reduce this staggering statistic.

Moreover, the SolarHydra would be environmentally friendly, as it would eliminate the need for single-use plastic water bottles and reduce carbon emissions associated with traditional water treatment methods.

In conclusion, if I were to create something new, the SolarHydra would be a game-changer in the quest for universal access to clean drinking water. Its portability, sustainability, and effectiveness would make it an invaluable tool for individuals, communities, and organizations working towards a healthier and more sustainable future.