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ESSAY TOPIC: IF I COULD INVENT SOMETHING NEW

If I could invent something new, I would create a mechanism that can be used to develop devices worldwide without damaging the ecosystem. An ecosystem is a geographic area where plants, animals, other organisms, weather, and landscape work together to form a bubble of life. However, over the years, technological advancements have led to the release of dangerous gases, affecting the Earth and causing issues such as climate change and global warming.

Climate change refers to long-term changes in weather patterns in a given region. The biggest cause of climate change is the rising concentration of greenhouse gases. Greenhouse gases trap heat in our atmosphere. Examples include carbon dioxide, methane, chlorofluorocarbons, nitrous oxide, and ozone. They affect climate change based on their amount and global warming potential (GWP), which indicates how long a gas remains in the atmosphere and how strongly it absorbs energy.

Gases with high GWP absorb more heat, contributing more to increasing Earth's temperature, leading to global warming. This poses many risks to humans and other forms of life. Our planet has been getting hotter since the industrial revolution, which spurred the use of fossil fuels in everything from power plants to transportation. Climate change has increased average temperatures, natural disasters, sea levels, shifting wildlife habitats, and other impacts.

Nigeria is also affected by climate change and global warming, leading to low crop yields, food scarcity due to excess rain, reduced livestock production, loss of income, public health crises, decreased hydroelectric power supply, loss of shelter, and damaged road networks. As inhabitants of this planet, we must be part of the solution, not the pollution. This is where my invention comes in: a battery that uses citric acid from oranges, grapefruits, limes, and lemons as an electrolyte to conduct electricity. It is safer than burning fossil fuels, which emit greenhouse gases into the atmosphere and damage the ozone layer daily.

In the course of writing this essay, I found out that similar mechanisms exist in other parts of the world. Nevertheless, if I had the opportunity to invent something new, I would produce many of these batteries to be used in Nigeria to reduce the rate of climate change and global warming. This way, we won't suffer heat waves like we did a few months back in Nigeria.

In conclusion, my invention – a citric acid battery – offers a sustainable solution to reduce climate change and global warming. By harnessing the power of nature, we can decrease our reliance on fossil fuels and reduce the effects of climate change. I hope my invention will inspire others to join the fight against environmental degradation and promote a cleaner, greener future for all.