**NAME: AGBURUM CLINTON**

**CLASS: BASIC NINE DIAMOND**

**If I Could Invent Something New: Personal Energy Harvesters**

The word "invention" itself stems from the Latin verb "invenire," meaning "to find." It's a fitting origin, as invention often involves finding new uses for existing things or creating something entirely new by combining existing ideas in novel ways. As Alexander Graham Bell, inventor of the telephone, aptly stated, "The greatest discovery of all time is that a person can change his future."

If I could invent something that could truly change the future, it would be personal energy-harvesting devices. These wearable gadgets would capture the energy from our everyday movements and convert it into electricity, powering our low-drain electronics. Imagine a world where your walk to work charges your smartwatch or your jog keeps your fitness tracker running for weeks.

These devices would come in a multitude of forms. Shoe inserts could utilize piezoelectric materials, which generate electricity when compressed with each step. Imagine thermal energy harvesters embedded in our clothing, capturing body heat and converting it into usable power. Even our breathing could be a source! Tiny wind turbines in backpacks could harness the gentle breeze created by our movements.

The benefits of personal energy harvesters are extensive. Firstly, they'd drastically reduce our reliance on disposable batteries, minimizing the environmental waste that plagues our planet. Secondly, they'd promote a more sustainable lifestyle. Think of a future where hikers use their trek to power their GPS devices, or cyclists keep their phones lit for nighttime rides without needing to plug into the grid. As Nikola Tesla, the visionary inventor who laid the groundwork for modern electricity, said, "The future belongs to those who believe in the beauty of their dreams." Personal energy harvesters embody this belief, offering a path toward a future powered by the beauty of human movement.

The disadvantages of not having this technology are concerning, especially considering the potential depletion of non-renewable resources. A future heavily reliant on fossil fuels for powering our ever-growing number of devices would be disastrous. Personal energy harvesters offer a path towards energy independence, lessening our dependence on a finite resource. As environmentalist John Muir warned, "Until we extend our conservation ethic to all living things, we will be unable to claim our rightful place as stewards of the Earth." Personal energy harvesters are a crucial step towards achieving this stewardship.

However, challenges remain. Current energy harvesting technology produces limited power, enough for low-drain devices but insufficient for high-powered electronics. Additionally, integrating these devices seamlessly into clothing and footwear needs further research.

Despite the hurdles, personal energy harvesters hold immense potential. By harnessing the power within our daily lives, we can create a more sustainable future, one step, breath, and body heat conversion at a time. As Leonardo da Vinci, the quintessential inventor, believed, "There is no limit to human ingenuity." Personal energy harvesters are a testament to this ingenuity, offering a glimpse into a future powered by the very essence of human movement