Name: Sokan Iremide

Class:jss3

Topic: If I could invent something new.

 If I could invent something new I would like to invent something that will solve the problem that affects the whole world which is environmental pollution.

 To begin with, environmental pollution is an unwarranted disposal of chemical or biological waste into Earth’s natural environment e.g. water, land or air that results in detriment to the atmosphere and it’s ecology which negatively impacts the living being both quantitatively and qualitatively.

 Some caused of environmental pollution include industrialization, mining and exploration. These activities have had debilitating and fatal effects on both human, flora and fauna. Most importantly, it has destroyed the eco system.

 In continuation, the name of the machine I would like to invent is called APP. APP is an acronym for Air Pollution Purifier. APP will be rectangular in shape . It is going to have four tyres. It is going to be self-controlled with a sensor to guide its movement while finding its way to the polluted areas. It will have solar panels to charge it while it is working. A Biosensor is attached to its motherboard for it to be able to detect and locate polluted areas. APP will need two major materials, namely air scrubbers and Biosensors. An air scrubber is a portable filtration system that traps airborne particles and improves air quality. It removes surface contaminants, odours and dust. It eliminates up to 99.99% of 0.3 micro-sized particles.

Biosensors are believed to be the most effective and efficient tools for better monitoring and detection of environmental pollutants . Bio receptors are the key molecules in the biosensor responsible for specific detectors. Major materials needed for Biosensors are chemical and biochemical sensors.

 Furthermore, a successful biosensor is composed of two main components, mainly a biological receptor or sensor elements and a transducer. A signal processing unit that usually contains a display or printer is normally used in conjunction to a biosensor. A transducer forms the second main component in the design of a biosensor. Generally, a transducer is a material that is capable of converting one form of energy to another.

 In addition, the combination of biosensor and air scrubber can be used to solve the problem of air pollution in the environment. One of its important functions is that it clears pollution in the air which helps to stop ozone depletion .The machine will need a manual to guide people on the use of the machine. The machine is connected to its owners phone for programming and better monitoring. The machine is fragile so it needs to be handled carefully. Children should not be allowed to operate or play with the machine because it can malfunction if not operated properly.

 In conclusion, I believe that APP would have a great impact on the world’s environment, people's lives and world's development. A machine that will help both young and old live a pollution-free life. Most importantly, a machine that will help protect the Earth against pollution.