SCHOOL: FIRST CLASS HIGH SCHOOL, ILESA OSUN STATE

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CLASS : JSS2

ESSAY TOPIC: IF I WILL INVENT SOMETHING NEW

If I could invent something new I will invent Lunar Panels

I will like to discuss on how Lunar Panels work.

Lunar panels, also known as moon-based solar power plants, are exciting new developments in the world of renewable energy. With the increasing demand for clean energy sources, Lunar Panels offer a promising solution for our future energy needs. By harnessing the power of the sun on the moon, we can generate electricity that is both sustainable and environmentally friendly.

How it will work:

Lunar panels, also known as Solar Panels, rely on sunlight to generate electricity since the moon’s surface does not receive direct sunlight in the night, the panels cannot produce electricity in the absence of sunlight. During the lunar night, when the sun is on the opposite side of the moon the solar panels do not receive any sunlight and therefore cannot generate power. This poses a challenge for lunar exploration and potential habitat as they need to rely on alternative power sources or energy storage system to meet their electricity needs during the night.

 Lunar Panels consist of photovoltaic cells that convert sunlight into electrical energy. The photovoltaic cells, which are made of semi-conductor materials, are typically silicons that allow the panel absorbs sunlight and converts it into electrical energy, which is then stored in batteries for latter use. Multiple photovoltaic cells are connected in series and/ or parallel configuration to form a lunar panel. By combining the electrical current generated by individual cells, the panel can generate a higher voltage and power output.

 To make the electricity produced by lunar panel compatible with standard electrical systems, it goes through an inverter. The inverter converts the direct alternating current (AC), which is the type of electricity used in homes, businesses.

Benefits of Lunar Panels

The Benefits of using lunar panels as a source of renewable energy are numerous first and foremost, they provide a sustainable source of power that does not contribute to green house gas emissions or other harmful pollutants. They can be used as a supplement to other sources of renewable energy.

 By generating energy through the moon, we can reduce the cost and environmental impact of transporting fuel and equipment from earth.

 It is clean, safe, and reliable and its source, the sun is virtually inexhaustible.

 Its challengs and limitations:

 Implementing Lunar Panels on the earth presents service challenges and limitations. One of the main lights that reaches the earth’s surface can vary depending on factors such as the phase of the moon and cloud cover. Another chanllege is the need for specialized equipment to capture and convert the moon’s light into electricity. This equipment can be expensive and require maintenance and replacement over time.

 In conclusion, the future is bright since Lunar panels represent exciting new frontier in renewable energy while there are still challenges to overcome, the potential benefits are too great to ignore. By harnessing the power of sun on the moon, we can create a sustainable source of energy that will help us combat climate change and reduce our reliance on fossil fuels.