

IF I COULD INVENT SOMETHING NEW

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*HEIRS INSURANCE
GROUP ESSAY
COMPETITION*

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INTRODUCTION

"We're losing our planet," my teacher said. This statement came out in the middle of a basic science class. The topic was 'Air Pollution,' a topic I was already familiar with. I could spell it. I could define it. I could classify it. I could even discuss it. Perhaps that was the reason why I paid so little attention. But losing our planet wasn't a statement I could ignore. It scared me, but most importantly, it brought back my attention. I did not hear what was discussed prior to this statement, but by paying apt attention for the rest of the class, I understood what my teacher meant. Walking back home later that afternoon, I thought about air pollution and how it caused climate change. How can it be stopped? I wondered. It was at that moment that I realized the need for an invention designed to stop climate change. And so I concluded that If I could invent something new, I'd invent an 'Air Purifier.'

THE NEED FOR AN AIR PURIFIER

The atmosphere is like a blanket to the Earth. The ozone layer present in the atmosphere protects the Earth from harmful ultraviolet rays. Without this blanket of air, the world will become hotter and eventually cause an end to life.

To keep our planet safe and habitable, we need to keep our atmosphere clean and free from gaseous impurities that can destroy the planet's ozone layer. This is why we need an "air purifier

HOW AN AIR PURIFIER FUNCTIONS

An air purifier, as the name implies, is designed to keep the atmosphere clean.

Such a device will work using the principles of photosynthesis. Carbon dioxide is a major cause of climate change, but plants use it to synthesize sugars.

Thus, an air purifier will be an artificial plant system with a reaction chamber that works like a green plant, using the carbon dioxide released into the atmosphere to synthesize something useful: sugars. This will keep our atmosphere clean and also produce something useful for us.

An air purifier will thus have the following parts:

1. Water chamber: For storing water needed for the reaction
2. Reaction center: A compartment where the reaction will take place
3. Carbon dioxide absorber: For trapping carbon dioxide
4. Products pipe: Where the sugar and oxygen produced will be stored.

APPLICATION OF THE AIR PURIFIER TECHNOLOGY

Air purifiers will be installed on roads and industrial areas. The carbon gases released from vehicles and industries will be trapped upon their release, thus preventing air pollution.

CONCLUSION: HOW THIS COULD BE A LIFESAVER

An air purifier would be a breakthrough in the struggle against air pollution. Such invention will not only bring about a cleaner atmosphere but will go on to prevent climate change thus saving our planet. This is my dream invention.