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**IF I COULD INVENT SOMETHING NEW**

 If I could invent something new, it would be a vaccine for HIV/AIDS. This invention would be very useful and helpful in curbing the spread of the deadly diseases. Many people have wished for a safe and permanent vaccine for HIV/AIDS because of the outrageous number of people it has killed. As soon as there is a vaccine for HIV/AIDS, getting a permanent cure for the disease would be easier and less strenuous as it has affected millions of people all over the world.

 An invention is an introduction, discovery or production of a new thing, idea or innovation of a new product. An invention is created to aid humans in their various jobs or to relieve someone of a particular situation. A vaccine for HIV/AIDS has not been discovered so far by world renowned scientists.

 HIV/AIDS, which stands for Human Immune deficiency Virus/Acquired Immune Deficiency Syndrome, is a virus which when contracted, weakens or completely destroys the immune system which fights and resists diseases thereby leading to the deficiency in the immune system. HIV can take about four or more years in the body before it is detected. According to scientific observations, AIDS is a degeneration of HIV. If HIV is detected in a person’s blood and not properly treated with the use of anti-retroviral drugs, it can degenerate into AIDS which there is no cure for. In the case of an untreated HIV infection, the overall mortality rate is more than 90%. The average time from infection to death is eight years to ten years, this however may vary from person to person.

 HIV/AIDS remains a global public health challenge despite significant progress in treatment. It is one of the deadliest infectious diseases and developing an HIV vaccine remains a global health priority. An HIV vaccine is a potential vaccine that could either be a preventive or therapeutic vaccine, which means it would protect non-infected persons from getting it. There is currently no vaccine that will prevent HIV. Recent studies have provided some evidence for preferential survival of infected cells if a vaccine for the disease is found. The human immune system also provides convincing evidence that an effective vaccine against HIV is possible.

 Vaccine remains the best long term solution to control the disease as it continues to impose a global burden especially on developing countries. It has been estimated that 38 million people worldwide are currently living with HIV/AIDS. If an HIV vaccine is invented, the rate of people getting infected with the disease will reduce especially from mother to child. This would relieve a nation of its financial burden as the nation income would be spent on making researches about the disease and this affects the growth of a nation. A vaccine for the prevention of HIV will reduce the possible risks of contraction the disease.

 The US government spends up to 28 billion dollars on HIV. If a vaccine is found, the financial and psychological burden on the world population and victims would be gone.