

SANGAM SKM COLLEGE- NADI
YEAR 11 ENGLISH 2021 WORKSHEET 4

Expository Essay

Write an expository essay of about 230- 250 words on one of the following topics. Write a plan and the essay in the Formal section of your Writing Book.

- (a). Coronavirus Disease (Covid- 19): The Impact and Role of Mass Media During the Pandemic.
- (b). The Importance of Digital Learning.
- (c). Domestic Violence- a major concern.
- (d). The Positive Impacts of Covid 19.

Summary Writing

Read the passage below and summarise it using 70- 80 words. Write the summary in the comprehension section.

Wolbachia

Wolbachia are natural bacteria present in up to 60% of insect species, including some mosquitoes. However, *Wolbachia* is not usually found in the *Aedes aegypti* mosquito, the primary species responsible for transmitting human viruses such as Zika, dengue, chikungunya and yellow fever.

For many years, scientists have been studying *Wolbachia*, looking for ways to use it to potentially control the mosquitoes that transmit human viruses. The World Mosquito Program's research has shown that when introduced into the *Aedes aegypti* mosquito, *Wolbachia* can help to reduce the transmission of these viruses to people. This important discovery has the potential to transform the fight against life-threatening mosquito-borne diseases.

Wolbachia are naturally occurring bacteria found in 60% of all insect species. *Wolbachia* is safe for humans, animals and the environment. Two independent risk assessments have been conducted, both of which gave an overall risk rating of 'negligible' (the lowest possible rating) for the release of mosquitoes with *Wolbachia*.

The WMP's field teams release male and female *Aedes aegypti* mosquitoes with *Wolbachia* over a number of weeks. These mosquitoes then breed with the wild mosquito population. Over time, the percentage of mosquitoes carrying *Wolbachia* grows until it remains high without the need for further releases. Mosquitoes with *Wolbachia* have a reduced ability to transmit viruses to people, decreasing the risk of Zika, dengue, chikungunya and yellow fever outbreaks.

The WMP's *Wolbachia* method helps to protect communities from mosquito-borne diseases like Zika, dengue, chikungunya and yellow fever, and does so without posing a risk to natural ecosystems or human health. Our method has some unique features. Unlike most other initiatives, our method is **natural** and **self-sustaining**. Our method does not suppress mosquito populations or involve genetic modification (GM) as the genetic material of the mosquito has not been altered.

Long-term monitoring shows that the WMP's natural *Wolbachia* method is self-sustaining in almost all international project sites up to **eight** years after our teams carry out releases.

WEEK 4

Source: <http://www.eliminatedengue.com/our-research/wolbachia>