

Science Time

Program Content for May 11, 2016

Read the article “**Bacteria-infected mosquitoes could slow spread of Zika virus**” on page A6 of the Thursday, May 5, 2016 edition of The Seattle Times.

Pre-reading and Vocabulary: Define each term and then use it in a sentence to demonstrate your understanding.

1. microbe
2. bacterium
3. invertebrate
4. host

Comprehension Questions

1. What does the bacterium Wolbachia do to organisms once it is inside them?
2. When was Wolbachia first discovered?
3. What are two things that are unique about Wolbachia?
4. What is cytoplasmic incompatibility?
5. Which disease, that infects 390 million people worldwide each year, are mosquitoes carrying the Wolbachia infection protected from?
6. What happens when Wolbachia infected mosquitoes are released into areas that have cases of dengue?
7. What happened when Wolbachia infected mosquitoes were fed human blood carrying the Zika virus?
8. Describe the way in which scientists determined if mosquitoes infected with Wolbachia were able to infect other mosquitoes with Zika.
9. What were the results of the experiment you detailed in #8 above?

Prompts and Extensions

1. What is Wolbachia and how does it related to mosquitoes? Watch this [video clip](#) to learn more. This video is a nice supplement to the article just read.
2. Zika arrived in the Seattle area last week. Read about the first case as reported by the Seattle Times [here](#).
3. Check out this online Seattle Times Close Up: [What you need to know about Zika virus](#) from January 2016.
4. Watch these news clips about the spread of the Zika virus (CBS - [clip 1](#), CNN - [clip 2](#)).
5. More Zika resources and links can be found within this online [article](#) from Time magazine.

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