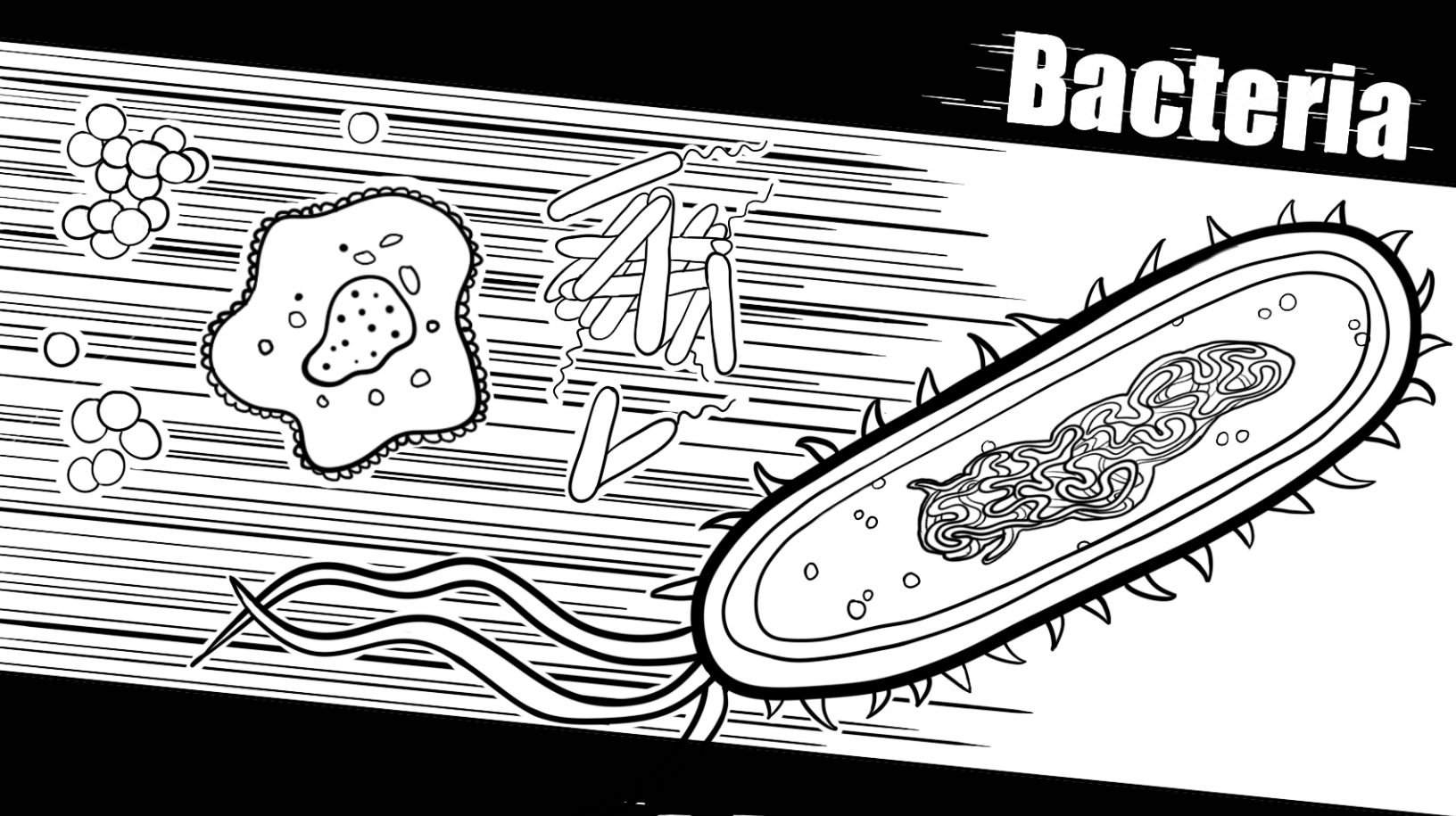
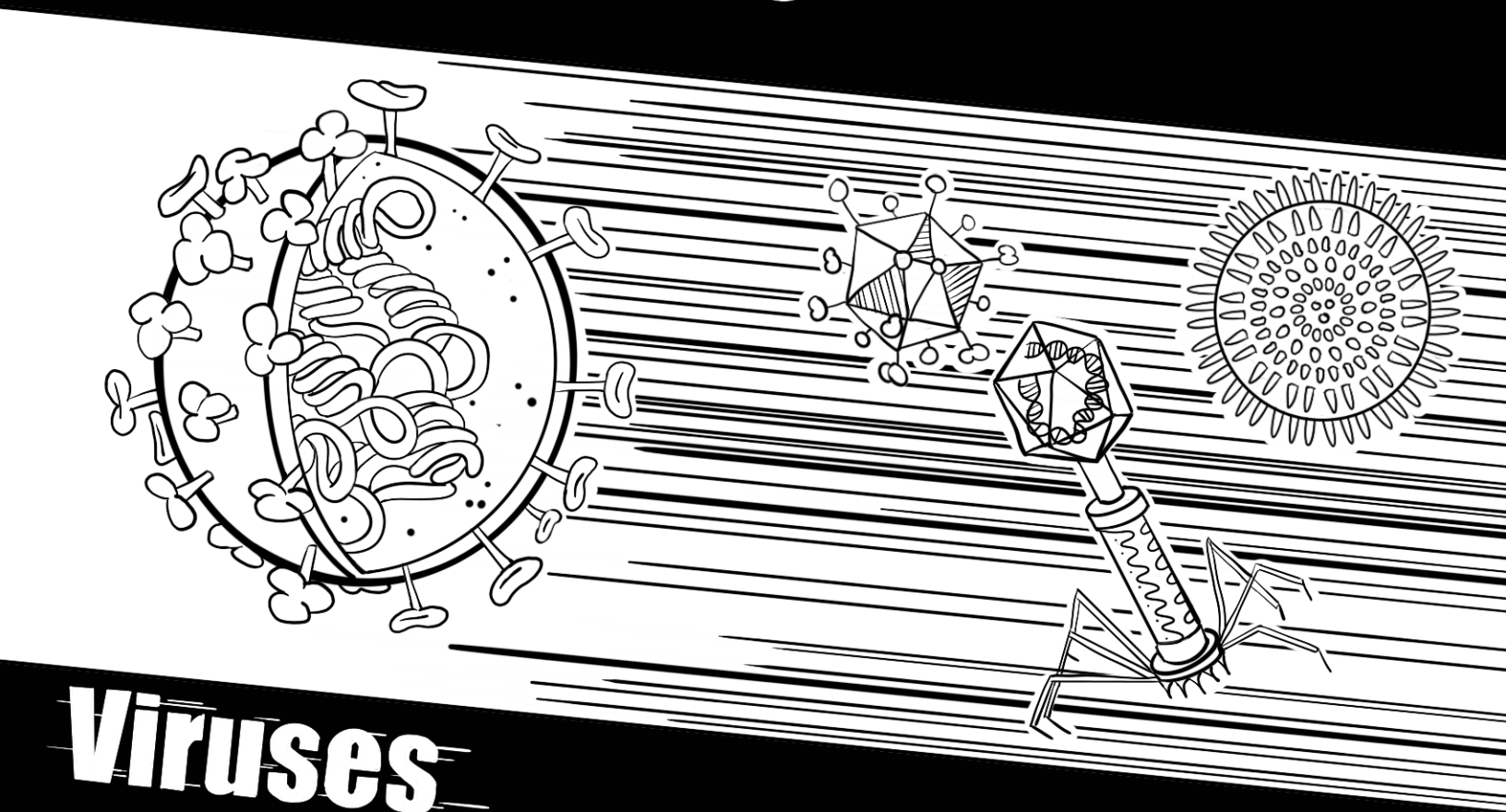


# Bacteria



# Vs



# Viruses

## BACTERIA VS. VIRUSES



What's the difference between bacteria and viruses? Bacteria are microscopic single celled organisms that have a cell wall and do not have any membrane-bound organelles. This is different from, say, the cells in our body which have organelles, such as mitochondria or a nucleus. Viruses are also microscopic; however they are not living organisms and must rely on a living host to facilitate their replication.

There is much debate over the classification of viruses as non-living, but the general consensus is that since the virus cannot perform basic functions necessary for life on their own, like metabolism and reproduction, they are non-living. In order for viruses to reproduce, they must insert part of their genetic material into a living host cell, and then the cell will end up creating more viruses.

This is a page from *Bacteria and Me*, a microbiology coloring book by Aedan Gardill and Tiffany Harris, and is funded by the Marie Christine Kohler fellowship.

To learn more information about the project and access free downloads of the coloring book pages, visit:

[kohlerfellows.illuminatingdiscovery.wisc.edu/projects/bacteria-and-me/](http://kohlerfellows.illuminatingdiscovery.wisc.edu/projects/bacteria-and-me/)

