

The Shape of Viruses Worksheet

Lab Calculations *(Show all calculations.)*

Part A. Polio Virus

1. Diameter of model polio capsid in mm.
2. Length of live polio genome in nm.
3. Length of model polio genome in mm.

Part B. Tobacco Mosaic Virus

4. Length of live TMV genome in nm.
5. Length of model TMV genome in mm.
6. Length of full-size TMV model genome in mm.

Post-Lab Analysis

7. Why is an enveloped virus more difficult to treat or vaccinate against than a virus without a lipid layer?