

## **Virus and Microscopes review sheet**

1. Define:

Virus	Bacteriophage
Nucleic acid	Prophage
Viral envelope	Vaccine
Host range	Virulent
Retrovirus	Antigen
Immune system	Antibody
Interferons	Lysis
Pathogen	Lymphocyte

2. Explain the structure of a typical virus.

Ex) bacteriophage.

3. Know the 3 main shapes of a virus.

4. Know viruses' – living & non-living characteristics.

5. Know viral reproduction.

6. Differentiate between the lytic and lysogenic pathways.

7. Explain how the immune system fights infection.

- Non specific and specific response.
- Primary, secondary, tertiary lines of defense.

8. Know effects of viruses on human health.

9. Theories on the origin of viruses.

10. Scientific Method.

11. Lab Safety.

12. Microscopes parts and function.

13. Microscope review questions.

14. Actual Size and Drawing Magnification.